ELECTRIC TARIFFS

IOWA

MIDAMERICAN ENERGY COMPANY
MIDAMERICAN ENERGY COMPANY

ELECTRIC TARIFF NO. 2

FILED WITH

IOWA UTILITIES BOARD

August 6, 2014

This tariff cancels the entire schedules formerly designated as:

MIDAMERICAN ENERGY COMPANY

Electric Tariff No. 1

Filed with the Iowa Utilities Board

Issued: August 6, 2014
Effective: July 31, 2014
Issued by: Naomi G. Czachura
Vice President
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**MIDAMERICAN ENERGY COMPANY**

Electric Tariff No. 2

Filed with the Iowa Utilities Board

Issued: April 30, 2015

Issued by Naomi G. Czachura

Vice President

1st Revised Sheet No. 1.40

Canceling Original Sheet No. 1.40

Effective: June 1, 2015
Listed below are the communities (in whole or part) to which this schedule is applicable.

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**Pricing Zone: North System (N)   South System (S)   East System (E)  T**
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SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

DEFINITIONS

**Account Agent** means one authorized by a Customer to act on that Customer’s behalf.

**Applicant** means an entity that requests and/or contracts for electric service.

**Billing Agent** means one authorized by a Customer to receive and pay electric bills on that Customer’s behalf.

**Board or Iowa Utilities Board** means the Iowa state regulatory agency that regulates retail electricity service.

**Budget Billing** means a levelized payment plan designed to limit the volatility of a Customer’s bill.

**Credit Assurance** means a guarantee provided by the Applicant and acceptable to the Company against the risk of Customer default for payment of electric service.

**Customer** means any person, firm, association, corporation or agency of the federal, state or local government or legal entity responsible by law for payment for the electric service from the electric utility.

**Extensions** means expansion of the Company’s distribution system built to serve a Customer or a specific group of Customers either on public right-of-way or private easement on a Customer’s Premises.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

DEFINITIONS (continued)

Modifications means any changes required on the Company’s facilities necessitated by actions or requirements other than the Company.

Multiple-Dwelling Unit means a multiple-occupancy building with two (2) or more Customers.

Municipality or Municipal Corporation means any city, village, town or township.

Non-Residential Service means service to those Customers not eligible for Residential Service.

Point of Attachment means a Company-approved, single location where the Customer’s facilities are connected to the Company's facilities. If the metering is installed on the Customer’s side of the Point of Attachment, the Company reserves the right to exercise control up to the metering point.

Premises means a contiguous tract of land that may be separated by nothing more than a highway, street, alley or railroad right-of-way, where all buildings and/or electricity-consuming devices located thereon are owned or occupied by a single Customer or applicant for electrical service, or where all electricity delivered thereto is utilized to supply one (1) or more buildings and/or electric loads which the Company considers as components of a unified operation.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

DEFINITIONS (continued)

Residential Service means (1) service to those Customers eligible for residential service pursuant to the availability definition under electric Rate RS Residential Electric Service or Rate RST Residential Time-of-Use Service; and (2) service to those residential Customers with annual usage greater than 50,000 kWh who are eligible for residential service pursuant to the availability definition under electric Rate GE General Energy Service or Rate GET General Energy Time-of-Use Service.

Service Line means the equipment used for delivering electricity from the distribution system to the Customer’s Point of Attachment.

TOU or Time-of-Use means a rate schedule that contains pricing that is differentiated by specifically-defined groups of hours.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

GENERAL PROVISIONS

All charges, Policies, Riders and Tax Additions of the Company applicable to service supplied under this Tariff are subject to approval, termination, change or modification by the Iowa Utilities Board, to the extent permitted by law.

AVAILABILITY

Service under this Tariff is available to any Customer located in the Company’s service area.

By accepting service under this schedule, the Customer is agreeing to abide by the Company’s “Electric Service Policies,” “Customer Policies,” “Technical and Operational Requirements” and all other requirements of this Tariff.

FIRE OR OTHER CASUALTY -- CUSTOMER’S BUSINESS PREMISES

Should a fire or other casualty occur on the Customer’s Premises, rendering them unfit for the purposes of the Customer’s business, any Customer contract, having a definite term under the applicable rate, shall thereupon be suspended until such time as the Customer has reconstructed and reoccupied the Premises for the purposes of the Customer’s business.

EXCLUSIVE SERVICE

The Company shall be the sole provider of the electric service to each Premises.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

ASSIGNMENT

No agreement for service may be assigned or transferred without the written consent of the Company.

PROTECTION OF SERVICE

The Company will not render service to any Customer for use by the Customer which shall have a detrimental effect upon the service rendered to the Company's other Customers.

RESALE OR REDISTRIBUTION OF ELECTRICITY

The Company will not furnish electric supply for resale or redistribution. Resale means the sale of electricity by the Customer to a third party. Resale of electricity is prohibited.

If the Customer distributes and uses electricity from a single point of usage to separate points or buildings on its Premises, such use shall not be considered resale provided (1) Customer owns or possesses the Premises and only the Customer's business is operated there (excluding renting space in the Premises), and (2) Customer is a corporation, partnership or any entity affiliated with such corporation or partnership.

Redistribution of electricity is prohibited. Redistribution is the furnishing of electricity by the Customer to a third party in exchange for a benefit, a promise, or any other consideration under conditions that do not constitute resale.

If the Applicant is not the owner of the Premises or of intervening property between the Premises and the Company's electric distribution system, the Applicant agrees to obtain from the proper owner, or owners, the necessary consent to the installation and maintenance on said Premises and on such intervening property of all wiring and other electric equipment required for supplying electricity to the Applicant.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

CUSTOMER-DESIGNATED AGENT

The Customer may designate an Account Agent or Billing Agent for their accounts. The Customer must complete an authorization and release to establish the Agent and is subject to terms and conditions of said document. The Customer is responsible for all transactions and obligations to MidAmerican in the event of default by the designated Agent.

LIMITATION OF LIABILITY

The Company will use reasonable diligence to provide reliable service. However, the Company does not guarantee its service against interruption, shortage, deficiencies, imperfections or irregularities.

The Company will not be liable for any injury, loss or damage resulting from interruption, shortage or insufficiency of service or irregularities of service (e.g., overload, loss of voltage, high or low voltage, loss of phase, phase reversal) unless caused by the Company’s willful default or gross negligence. In no event shall Company be liable for consequential or punitive damages.

The Company will not be responsible nor liable for electricity from and after the point it first passes to the wires or other equipment owned or controlled by the Customer, and Customer shall protect and save harmless the Company from all claims for injury or damage to persons or property occurring beyond said point, except where injury or damage shall be shown to have been occasioned solely by the negligence of the Company. The Customer will be held responsible and liable for all electricity used on the Premises until notice of termination of service is received by the Company and the Company has taken the final meter readings.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

LIMITATION OF LIABILITY (continued)

The Company will not be responsible for damages for any failure, interruption shortage or insufficiency of service or irregularities of the supply of electricity, increase or decrease in voltage, or change in characteristics of electricity supply.

The Company will not be liable for any damages caused by the Company’s conduct in compliance with or as permitted by this Tariff or other agreements, or any other applicable rule, regulation, order or tariff.

IRREGULARITIES AND INTERRUPTION OF SERVICE

Service Reliability
The Company will use reasonable diligence to provide reliable service. However, the Company does not guarantee its service against irregularities and interruption.

Irregularities and Interruptions
Causes of irregularities and interruptions in service include, but are not limited to, the following:
• System switching operations.
• Repairs or changes in facilities.
• Valid curtailment or proration orders.
• Rules and regulations promulgated by state or federal regulatory authorities.
• An emergency as contemplated by Section 476.20, Code of Iowa.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

IRREGULARITIES AND INTERRUPTION OF SERVICE (continued)

- Occurrences beyond the Company’s reasonable control including, but not limited to:
  - Accidents.
  - Acts of God (e.g., floods, winds, lightning, etc.).
  - Acts or omissions of civil or military authority or of suppliers.
  - Equipment failure.
  - Fires, epidemics, quarantine restrictions.
  - Strikes or other labor disputes, embargoes, wars, sabotage, political strife, riots, delays in transportation.
  - Compliance with any regulations or directives of any national, state, local or municipal government, or any department thereof.
  - Fuel, power, material or labor shortages.

Repairs or Changes

The Company reserves the right to interrupt service for repair of or changes in Company facilities.

The Company will make a reasonable effort to notify the Customer prior to planned repairs or changes of more than one (1) hour.
SECTION 1 - ELECTRIC SERVICE POLICIES
Applicable to All Rates and Riders

IRREGULARITIES AND INTERRUPTION OF SERVICE (continued)

Customer Responsibility
The Customer will not be relieved of responsibility for payment of charges for service actually supplied (including minimum charges) because of:

- Interruption, irregularity or insufficiency of service.
- Accident to the Customer’s equipment or machinery.
- Failure of a Customer’s installation, not due to the fault of the Company.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

APPLICATION FOR SERVICE

Application Process
Applications for service may be made:
- By phone.
- By mail.
- In person.
- Over the internet.

All Applicants:
- Must provide proof of identity.
- May be required to provide information for a service application.
- May be required to provide proof of occupancy.

Outstanding Debt
If, after a review of Company records, an outstanding debt is found in the Customer’s name, the Customer:
- May be required to pay the outstanding debt.
- May be required to provide a deposit or other form of Credit Assurance.

The Company will consider at least a six-month payment agreement for the outstanding debt so long as the debt is not part of a defaulted payment agreement.

The Company may refuse to provide service to a Customer under conditions specified in the “Refusal or Disconnection of Service” subsection of this Section 2.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

RATE CLASSIFICATION

The conditions and availability of each rate may be found on the applicable rate schedules of this Tariff.

<table>
<thead>
<tr>
<th>Rate</th>
<th>Description</th>
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<td>Residential - Service</td>
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<tr>
<td>GD</td>
<td>General – Demand Service</td>
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<tr>
<td>LS</td>
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<td>SS</td>
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<td>ICR</td>
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<tr>
<td>MWP</td>
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<td>TC</td>
<td>Traffic Control Service</td>
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<tr>
<td>RST</td>
<td>Residential Time-of-Use Service</td>
</tr>
<tr>
<td>GET</td>
<td>General – Energy Time-of-Use Service</td>
</tr>
<tr>
<td>GDT</td>
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<tr>
<td>LST</td>
<td>Large Electric Time-of-Use -Service</td>
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<td>DAP</td>
<td>Day Ahead Hourly Pricing</td>
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<tr>
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<td>QF</td>
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Customers will be subject to all riders, additions, adjustments, taxes, fees, and charges that may be applicable under this Tariff. All rates and charges contained in this Tariff or contract with reference thereto may be modified at any time by a subsequent filing made pursuant to the provisions of Iowa Code Chapter 476.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

MINIMUM RATE TERM

Customers, having selected a rate adapted to the Customer’s requirements, may not change to another rate within a twelve-month period unless:

- The character or conditions of the Customer’s requirements change substantially and permanently, or
- A substantial change affecting the Customer's service is made in the Company’s Tariff.

ASSIGNMENT OF RATE

Residential

A Residential Customer that meets the requirements of the “Availability” section of Rate RS or RST will remain on the applicable rate until such time as the Customer no longer meets those requirements. A Residential Customer may elect to receive service under time-or-use rate RST and will be required to remain on the time-or-use rate for a minimum of twelve months.

Non-Residential

A Non-Residential Customer will be eligible to receive service pursuant to the “Availability” sections of Rates GE, GD, LS, SS, ICR, MWP or TC and will remain on the applicable rate until such time as Customer no longer meets those requirements. A Non-Residential Customer may elect to receive service under time-of-use rates GET, GDT, LST or SST and will be required to remain on the time-of-use rate for a minimum term of twelve months.

REASSIGNMENT OF RATE

Where a Non-Residential Customer’s operation is discontinued or substantially reduced, the Customer may request the Company to reassign the Customer to the Electric Service Rate and charges under which the Customer would be eligible based on the current level of electricity use. The Company has sole discretion in its response to Customer-requested rate reassignment. If the Customer’s existing meter is inadequate or incompatible with the new Electric Service Rate, the Customer will reimburse the Company for the cost of replacing the meter.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

TURN ON SERVICE

The Company will use all reasonable efforts to turn on service during normal working hours on the day requested by the Applicant. If the Applicant requests service be turned on after hours, time and materials charges will apply. Refer to the “Miscellaneous Fees and Charges” section of this Tariff.

The Applicant is responsible for providing access to the Premises as needed when requesting services be turned on or transfer meter readings to be made.

TURN OFF SERVICE AT CUSTOMER REQUEST

The Company will use all reasonable efforts to turn off service during normal working hours on the date requested by the Customer if the Customer has given the Company at least two working days’ notice. If the Customer requests service be turned off after hours, time and materials charges will apply.

A Customer who is provided service under a special contract is required to comply with the contract regarding service turn off.

For same-day transfers, a turn-off meter reading obtained at the end of service for one account will be used for the beginning of service for the subsequent account.

Where a service gap exists, a turn-off meter reading obtained at the end of service for one account may be used for the beginning of service for the subsequent account with the new Customer’s consent. The new Customer will be notified of the date the meter was read.

The Customer requesting service turn off or final meter reading is responsible for providing access to the meter as needed. The Customer will be responsible for usage incurred after the date requested if access to the meter(s) is not provided when requested.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

CREDIT ASSURANCE AT SERVICE APPLICATION

The Company may request a deposit or other form of Credit Assurance from any current or prospective Customer. Between April 1 and October 31, the Company may refuse or disconnect service with appropriate notice if the Customer fails to provide requested Credit Assurance.

Types of Acceptable Credit Assurance
- Security deposit (cash, check, or money order).
- Surety bond.
- Bank letter of credit.
- Third-party guarantee.
- Other assurance found acceptable by the Company.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

CREDIT ASSURANCE AT SERVICE APPLICATION (continued)

Amount of Credit Assurance
The amount of deposit or Credit Assurance will be based on one of the following:
- The highest one-month bill in the prior 12-month period at the Premises served.
- The highest one month’s projected use as determined by the Company.

Bankruptcy
The amount and terms of deposit or Credit Assurance for a Customer who files bankruptcy will be in accordance with Federal law (11 US Code, Section 366).

Record of Deposit or Credit Assurance
Any person who pays a security deposit will be given a receipt of deposit.

A record of deposit or Credit Assurance and the identity of the Customer providing such deposit or Credit Assurance will be kept on file by the Company.

Transfer to New Premises
If a Customer transfers service to new Premises:
- The Customer’s existing deposit or other form of Credit Assurance will be transferred to the new account.
- The amount of deposit or other Credit Assurance required at the new Premises will be determined, and
  - Any additional amount required will be requested.
  - Any excess credit amount or a deposit will be refunded.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

CREDIT ASSURANCE AT SERVICE APPLICATION (continued)

Review
Deposits and other Credit Assurance will be reviewed 12 months from the
date first taken and annually thereafter in accordance with Sections 20.4(3) and
(7) of the Iowa Administrative Code.

Refunds
Deposits will be refunded with interest, in accordance with Section 20.4(4) of the Iowa Administrative Code, when the Customer has a record of 12
consecutive months of prompt payment (which may be 11 timely payments and
one (1) automatic forgiveness of late payment). Refunds of deposits plus interest will be made as follows:

- Check.
- Bill credit.
- Final bill credit with any balance refunded by check.
- Transfer to new Customer account if Customer discontinues service at
  one Premises and establishes service at a new Premises.

BILLING FOR SERVICE

Normal Billing
Meter readings used for Company billing will normally be scheduled
monthly. The Company may schedule meter readings in low-customer-density rural and suburban areas at bimonthly intervals.

Bills will normally be based on actual Company meter reads, subject to
Company review. Where actual readings are unavailable, bills will be based on estimates of the Customer’s usage.

Bills will be in accordance with the rates and charges contained in this
Tariff and will be computed monthly in accordance with the Company’s meter
reading schedule.

The Customer may supply meter readings, providing a Company meter
read is obtained once every 12 months.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BILLING FOR SERVICE (continued)

Less Frequent Billing
Billings less frequent than monthly may be scheduled with Board approval.

More Frequent Billing
Billings more frequent than monthly may be required from Non-Residential Customers who are credit risks.

The more frequent billings will be for one month only unless approval is received from the Board.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BILLING FOR SERVICE (continued)

Estimated Bill
The Company will attempt to read every meter every month. When the Company is unable to read the meter after reasonable effort, the Company will issue an estimated bill.

- The word ‘Estimate’ will appear on the face of the bill.
- Only in unusual cases or with Customer consent shall more than three consecutive estimated bills be rendered.
- The Customer will be notified when there have been three (3) consecutive estimates and periodically thereafter.
- An actual meter reading by a Company representative is required once every 12 months.
- Automated meter readings are actual Company meter readings.

Bill Form
- The Standard Bill Form is shown in the “Forms and Agreements” section of this Tariff.
- The Customer may elect to receive bills electronically. If a Customer elects to receive bills electronically, all charges associated with the Customer’s account will be billed electronically. All Customer correspondence will be available for viewing at www.midamericanenergy.com. The Company reserves the right to determine whether or not a Customer is eligible to be billed electronically.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BILLING FOR SERVICE (continued)

Prorated bill

- For billing purposes, the term "month" or "monthly" will represent the period between regular meter readings. The Company's work schedules permit the orderly reading and billing of all meters by the Company over a period of approximately every 30 days.
- If the meter read period is less than 28 days or greater than 39 days the Customer's bill will be prorated on a daily basis. All steps of the rate will be prorated.
- Bills for all beginning, final and reroute meter readings will be prorated if the meter is read less than 28 days or more than 39 days after the last billed read.

Bill Due Date

The Company will provide bills to all Customers allowing a minimum of 20 days after the bill is rendered for timely payment.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BILLING FOR SERVICE (continued)

Failure to receive a bill will in no way exempt a Customer from these billing provisions.

Preferred Due Date
A preferred due date is available to:
- All Residential Customers.
- Non-Residential Customers with usage less than 3,000 kWh per month.
- Other Customers at the Company’s discretion.

The preferred due date:
- Must be requested by the Customer.
- May not extend into the next billing cycle.
- Cannot be changed to a date later than 30 days after the preparation of the bill.
- Will be no more than 15 days from the approximate date the Customer receives monthly income.

The preferred due date may be cancelled:
- Upon Customer request.
- After the 5th late payment in a 12-month period.
SECTION 2 - CUSTOMER POLICIES  
Applicable to All Rates and Riders

BUDGET BILLING

Availability
Budget Billing is available to:
- All Residential Customers.
- Non-Residential Customers with usage less than 3,000 kWh per month.
- Other Customers at the Company’s discretion.

Entry to Plan
Customers may begin Budget Billing at any time.

Budget Computation Method
The monthly budget payment for Budget Billing plan Customers is derived by estimating a Customer’s usage for the next 12-month period and dividing that amount by 12. The estimation method uses a 24-month history at the Premises in question as well as other factors, such as weather and prices. The Budget Billing amount for new Premises is estimated based on tariff rate code and geographic location.

Periodic Adjustments
The monthly Budget Billing amount will be recomputed at least annually and may be recomputed:
- When requested by the Customer.
- When changes in price and/or consumption result in an estimate that differs by 10 percent or more from the budget amount.

Budget Review
Budgets are reviewed periodically and annually. At the Customer’s annual review, the Budget Billing amount changes regardless of the amount of change.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BUDGET BILLING (continued)

Customer Notification
The Customer will be notified of any changes in the budget amount at least one full billing period before the due date for the new budget amount. The notice may accompany the bill prior to the bill that is affected by the revised budget amount.

Late and Delinquent Payments
Regardless of the Budget Billing account balance, a late budget bill is subject to the “Late Payment Charges” specified in the “Payment for Service” subsection of this Section 2. Any late payment charges will be applied to the budget amount.

For delinquent budget billing accounts where there is a:
• Debit balance, or balance due the Company, the delinquency in payment is subject to the provisions of “Refusal or Disconnection of Service” and “Disconnection for Delinquent Bills” subsections of this Section 2.
• Credit balance that is less than the delinquency in payment is subject to the provisions of “Refusal or Disconnection of Service” and “Disconnection for Delinquent Bills” subsections of this Section 2.
• Credit balance, or balance due the Customer, budget billing may be terminated 30 days after the budget bill becomes delinquent.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BUDGET BILLING (continued)

Cancellation
Budget Billing may be cancelled:

- Upon Customer request.
- When service is cancelled.
- For failure to pay.

For balances:

- Owed the Company, the Customer may be required to pay the amount owed before cancellation.

- Owed the Customer, the Customer shall have the option to:
  - Request application of the credit balance to the next bill(s).
  - Request a direct refund of the credit balance so long as the Customer does not have a past due balance.

If the balance in a Customer’s budget account at the time of the Customer’s annual review is a:

- Debit balance:
  - The balance is spread balance evenly over next 12 months and included in Budget Billing payment.
  - When requested, the debit balance will be applied to the next bill.

- Credit balance:
  - The balance is spread evenly over next 12 months and included in Budget Billing payment.
  - When requested, the balance will be refunded by application to the next bill(s).
  - When requested, credit balances exceeding $25 will be refunded directly.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

PAYMENT FOR SERVICE

Bill payment options include:
- US Mail.
- Automatic withdrawal from the Customer’s bank account.
- Automated phone system or Company phone representative.
- Company web site.
- Electronic payment.
- Company office.
- Authorized walk-in payment location - third party processor may charge the Customer directly for any transaction fees.
- Credit and debit card – third party processor may charge the Customer directly for any transaction fees.
- Other options may be added as they become available.

Physically delivered payments are considered received the same day. Electronic payments are considered received when the electronic payment notification is received. Bills are considered paid timely if paid on or before the due date of the bill.

Late Payment

Late payment charges of one and one-half percent (1.5%) will be charged on unpaid balances in accordance with Section 20.4(12) of the Iowa Administrative Code.

One (1) late payment charge will be forgiven per calendar year if it is received after the due date. The Customer will be notified on the next bill when the forgiveness has been granted.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

PAYMENT FOR SERVICE (continued)

Dishonored Payments
   If the Customer's payment is not honored by a financial institution, a charge will be assessed. (Refer to the “Miscellaneous Fees and Charges” section of this Tariff.) If the Customer has a calendar year history of returned or dishonored payments, payment by cash, cashier’s check, certified check, or money order may be required.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

PAYMENT AGREEMENT (PA)

When a Residential Customer cannot pay a past-due bill in full, or has an outstanding debt for utility service, and is not in default of a Payment Agreement, the Company will offer the option of retiring the debt by making periodic payments of specific amounts due at scheduled times, plus the current monthly bill, to bring an account to a current status.

The Customer will be allowed one late payment if it is received four days or less past the due date.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

PAYMENT AGREEMENT (PA) (continued)

Reasonable PA
A reasonable payment agreement will consider:
- Current household income.
- Ability to pay.
- Payment history.
- Size of the bill.
- How long and why the bill has been outstanding.
- Special circumstances creating extreme hardships.

Confirmation
Confirmation of financial difficulty may be required through state or local agencies.

Payment Period
The Customer will be offered the option of spreading payments evenly over the following minimum time periods:

<table>
<thead>
<tr>
<th>Customer</th>
<th>Minimum Time Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Customer</td>
<td>12-month period</td>
</tr>
<tr>
<td>Customer who has been disconnected for 120 days or less</td>
<td>12-month period</td>
</tr>
<tr>
<td>Customer who has been disconnected for more than 120 days</td>
<td>6-month period</td>
</tr>
</tbody>
</table>

The Company and the Customer may agree to a shorter time period.

The Company shall offer a second PA for a Customer who is in default of a first PA if the Customer has made at least two consecutive full payments under the first payment agreement.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

PAYMENT AGREEMENT (PA) (continued)

The second PA:

- Shall be the same term or longer than the first PA.
- Shall require the Customer to pay for both:
  - Current service.
  - Monthly payments under the second PA.
- As a condition of entering into a second PA, the Customer may be required to make the first payment up-front.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

PAYMENT AGREEMENT (PA) (continued)

Budget Billing
The Company may require the Customer to enter into Budget Billing to pay the current bill under the first and/or second PA.

Refusal
If a Customer is refused a PA, a written reason for the refusal will be provided in accordance with Section 20.4(11)d of the Iowa Administrative Code.

Agreements
The Company shall provide a signed copy of the agreement when the Customer makes the agreement in person.

The Company shall render a written document to the Customer within three days of making an agreement over the telephone or through electronic transmission. The document shall be considered rendered when deposited in the U.S. mail with postage prepaid. If delivery is by other than U.S. mail, the document shall be considered rendered to the Customer when delivered to the last-known address of the person responsible for payment for the service. The written document will state:

- The terms and conditions of the agreement.
- The address and a toll-free number to reach a qualified representative.
- That by making the first payment, the Customer confirms acceptance of the terms of the oral or electronic agreement.
- That unless the Customer notifies the Company within ten (10) days, the Customer accepts the terms of the agreement.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BILLING ADJUSTMENTS

Code
Billing adjustments will be made in accordance with Section 20.4(14) of the Iowa Administrative Code.

Reasons for Billing Adjustments:
Billing adjustments may be made for incorrect:
- Rate application.
- Measuring of the quantity or volume of service.
- Reading of the meter.
- Connection of the metering installation.
- Meter multiplier.
- Meter registration.
- Class of service.

No billing adjustment will be made for Customer wastage or accidental grounding.

The Company will provide assistance to any Customer who has abnormally high use by:
- Discussing readily identifiable patterns of usage.
- Suggesting an energy audit.
- Identifying sources of conservation information and financial assistance that may be available to the Customer.

Meter Registration Errors
Billing adjustments:
- Will be made if a meter that is fast is determined to be in error more than:
  - For watthour metering, two percent (2%)
  - For demand metering, 1.5% in addition to the errors allowed under accuracy of demand metering.
- May be made if a meter that is slow or creeping is determined to be in error more than two percent (2%).

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Effective: July 31, 2014
Issued by: Naomi G. Czachura
Vice President
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BILLING ADJUSTMENTS (continued)

Refund of Adjustment for Meter Registration Errors
Overcharges will be refunded from the time the problem began (if known) or
the lesser of:
• ½ the time since the meter installation.
• ½ the time since the last meter test.

Refund of Adjustment for Other than Meter Registration Errors
The time period for which the Company is required to adjust, refund, or
credit the Customer’s bill shall not exceed five (5) years unless otherwise
ordered by the Board.

Minimum Refund
If the recalculated bills indicate that $5 or more is due an existing Customer
or $10 or more is due a person no longer a Customer of the Company, the
refund shall be the full amount of the calculated difference between the amount
paid and the recalculated amount. Refunds shall be made to the two most
recent Customers who received service through the metering installation during
the time the error existed. In the case of a previous Customer who is no longer
a Customer of the Company, a notice of the amount subject to refund shall be
mailed to such previous Customer at the last-known address, and the Company
shall, upon demand made within three months thereafter, refund the same.

Refunds shall be completed within six months following the date of a
meter installation test.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

BILLING ADJUSTMENTS (continued)

Backbill Adjustment for Meter Registration Errors

Undercharges will be backbilled from the time the problem began (if known) or the lesser of:

- ½ the time since the meter installation or
- ½ the time since the last meter test.

The time period for which the Company may adjust for the undercharge shall not exceed six (6) months unless otherwise ordered by the Board.

Backbill Adjustment for Other than Meter Registration Errors

The time period for which the Company may adjust for the undercharge shall not exceed six (6) months unless otherwise ordered by the Board.

Minimum Backbill

An existing Customer may be backbilled if the Customer was underbilled $500 or more; however, the Company may backbill for a lesser amount in the case of incorrect monthly meter reading.

Interest

No interest will be charged on backbills or paid on refunds.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

METER TESTS

Request
The Company will test meters at the Customer’s request unless the meter has been tested within the preceding 18 months. The Customer or their representative may be present for the test.

Refer to the “Miscellaneous Fees and Charges” section of this Tariff for specific charges.

Notification of Results
A written report with the results of the test will be mailed within ten (10) days.

Billing Adjustments
Billing adjustments or refunds determined to be necessary as a result of the meter test will be made in accordance with the “Billing Adjustments” subsection of this Section 2 and Section 20.4(14) of the Iowa Administrative Code.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

REFeree TESTS

A referee test is meter accuracy test which is conducted and supervised by the Board.

Request
A request for a referee test must be made in writing to the Board, accompanied by a deposit (check or money order), referenced in the “Miscellaneous Fees and Charges” section of this Tariff. The check or money order must be made payable to the Company. The deposit will be forwarded by the Board to the Company.

Referee tests will not be performed more than once every 18 months.

Schedule
The Board will notify the Company of the referee test within five (5) days. The Company will not remove or adjust the meter and will schedule the test with the Customer and Board within 30 days.

Notification of Results
The Board will issue a report within 15 days to all parties. If the meter is not accurate within two percent (±2%) the Company will return the deposit.

Billing Adjustments
Billing adjustments or refunds determined to be necessary as a result of the referee test will be made in accordance with the “Billing Adjustments” subsection of this Section 2 and Section 20.4(14) of the Iowa Administrative Code.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

DISPUTED BILLS

The Customer may dispute a bill in a manner that clearly defines the disputed amount. To avoid credit action, the Customer must pay any undisputed portion of the bill while negotiations are in progress.

Credit action for non-payment of the disputed portion of the bill will be delayed, up to 45 days, while the Customer conducts bona fide discussions with the Company to settle the dispute in a timely fashion.

Additional extensions will be handled in accordance with Section 20.4(15) of the Iowa Administrative Code.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

CUSTOMER COMPLAINTS

The Company will employ the following procedures to effectively resolve Customer complaints.

<table>
<thead>
<tr>
<th>Step</th>
<th>If</th>
<th>Then</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Customer inquiry is received</td>
<td>Resolve at initial point of contact, if possible.</td>
</tr>
<tr>
<td>2</td>
<td>Unresolved at Step 1</td>
<td>• Note on the Customer’s account.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Promptly forward inquiry to appropriate management employee or department with authority to take appropriate action.</td>
</tr>
<tr>
<td>3</td>
<td>Unresolved at Step 2</td>
<td>Name, address and phone number of the Iowa Utilities Board are provided.</td>
</tr>
</tbody>
</table>

Utility service will not be discontinued for a Customer with a complaint pending before the Board so long as the Customer has complied with the “Disputed Bills” subsection of this Section 2.

The Company will notify Customers monthly of their right to file a complaint and how to contact the Iowa Utilities Board.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

RESEARCH FOR CUSTOMERS

The Company will maintain a Customer contact center where Customers may reach a Company representative and receive current information. The Company will periodically notify Customers how to reach the center.

A Customer or an Agent may request Customer-specific information that includes electric usage for the last 24 billing periods. The Company will provide this information at no cost upon receipt of a valid request for such information. Requests for more extensive research not to exceed 5 years of billing history, special handling, special bill preparation, or billing delivery methods other than delivery via standard U.S. mail or standard e-bill, may require reimbursement to the Company for time and materials associated with such request.

Requests may be made by contacting the Customer contact center at (888) 427-5632 or on the Company’s web site, www.midamericanenergy.com.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

DIVERSION OR UNAUTHORIZED USE OF SERVICE

Diversion of Service

Diversion of service is defined as unauthorized bypass of or tampering with Company equipment with the intent to steal or benefit from unmetered service.

When diversion of service is discovered, service is subject to immediate disconnection without notice. Service will not be resumed until all required payments have been made.

Charges to resume service may include:

- Backbilling of the estimated cost of electricity not recorded on the meter for the entire period of the diversion.
- Investigation and backbilling expenses.
- Collection and court costs.
- Costs incurred to repair and/or replace Company equipment.
- Costs incurred to tamper-proof the equipment, including costs to relocate an inside meter to the outside of the building.
- Credit Assurance.
- Reconnection charge.

The diversion of service will be documented on the Customer’s account and criminal action may follow.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

DIVERSION OR UNAUTHORIZED USE OF SERVICE (continued)

Unauthorized Use of Service

Unauthorized use is defined as a person or Premises receiving benefit of metered utility service without the consent of the Company.

When unauthorized use of service is discovered, service is subject to immediate disconnection without notice. Service will not be resumed until all required payments have been made.

Charges to resume service may include:
- Backbilling of the estimated cost of unauthorized use.
- Investigation and backbilling expenses.
- Costs incurred to repair and/or replace Company equipment.
- Costs incurred to tamper-proof the equipment, including costs to relocate an inside meter to the outside of the building.
- Credit Assurance.
- Reconnection charge.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

REFUSAL OR DISCONNECTION OF SERVICE

If, after a review of Company records, an outstanding debt is found in the Customer's name, the Customer may be required to pay the outstanding debt, make a Payment Arrangement, and/or provide Credit Assurance as specified in the subsection “Credit Assurance at Service Application” of this Section 2.

Refusal or Disconnection of Service with Notice

The Company may refuse or disconnect service and/or remove the meter with appropriate notice, provided the Company has met all other requirements of the Iowa Administrative Code, for the following reasons:

• Failure to pay a past-due bill for the same class of utility service.*
• Failure to provide Credit Assurance required by the Company.*
• Failure to comply with the terms of a payment agreement.
• Failure to permit reasonable access to Company equipment.
• Violation of or non-compliance with Company Rules on file in this Tariff.
• Failure of the Customer to furnish:
  • Service equipment.
  • Permits.
  • Certificates.
  • Rights-of-way.
• Failure to fulfill a contractual obligation imposed as a condition of obtaining service by any contract filed with and subject to the regulatory authority of the Iowa Utilities Board.
• If the individual requesting service is either not creditworthy or not able to satisfy requirements for Credit Assurance.

*Exceptions: See the "When Refusal or Disconnection of Service is Prohibited" subsection of this Section 2.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

REFUSAL OR DISCONNECTION OF SERVICE (continued)

Notice of Disconnection

The Company will give the Customer at least 12 days’ written notice and provide a summary of the Customer’s rights and responsibilities before disconnection occurs in accordance with Section 20.4(15) of the Iowa Administrative Code. If the Residential Customer has a payment agreement and the Customer fails to make payment by the due date or within the grace period if applicable (Section 20.4(11)”c”(1)”4”), the Company may disconnect upon one day’s notice unless all the money the Customer owes is paid or the Customer is eligible for or enters into another payment agreement.

Customer Contact

If a Residential Customer fails to respond to the written notice before the due date, the Company will make a diligent attempt to contact the Customer prior to disconnection of electric service.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

REFUSAL OR DISCONNECTION OF SERVICE (continued)

Posting of Notice
During the period from November 1 through April 1, a notice informing the Customer of the pending disconnection and the Customer's rights and responsibilities to avoid disconnection will be posted at the Premises at least one day prior to disconnection if:

- The Company is unable to contact the Customer by phone or in person, or
- It is known that the occupant of the Premises is not the Customer of record.

Rental Units
If an attempt at personal or telephone contact of a Customer occupying a rental unit has been unsuccessful, the landlord of the rental unit, if known, shall be contacted to determine if the Customer is still in occupancy and, if so, the Customer's present location. The landlord shall also be informed of the date when service may be disconnected. The landlord/owner of the rental unit is responsible for notifying the Company of ownership.

If the disconnection will affect the occupants of a rental unit leased from the Customer, the Company will post the Premises, at least two days prior to disconnection, with a notice informing any occupants of the date and reasons for disconnection.

Third-Party Notification
With written authorization by the Customer, a specified third party may receive a copy of the Customer’s disconnection notice.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

WHEN DISCONNECTION OF SERVICE WILL BE DELAYED

Residential
The Company will delay disconnection of service for non-payment:
• During a weekend or holiday.
• Between 2 p.m. and 6 a.m.
• If the accuracy of the Customer’s bill is in dispute, and the Customer pays the undisputed portion under the provisions of “Disputed Bills” subsection of this Section 2.
• For 24 hours if the National Weather Service forecast for the next 24 hours includes a forecasted temperature of 20 degrees Fahrenheit or lower in the area where the residence is located.
• For up to 30 days from the date the Company receives a written verification from a physician or public health official that states all of the following:
  • Disconnection of service would present an especial danger to the health of any permanent resident of the Premises.
  • The name of the person endangered.
  • A statement indicating the person endangered is a permanent resident at the Premises.
  • The nature of the health danger.
  • The approximate length of time that the danger will continue.
  • The name, business address, and telephone number of the physician or public health official providing the written verification.
• Between November 1 and April 1, for 30 days if the Company is informed that a household may qualify for winter energy assistance or weatherization funds.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

WHEN DISCONNECTION OF SERVICE WILL BE DELAYED (continued)

Non-Residential
The Company will delay disconnection of service for non-payment:
• During a weekend or holiday.
• Between the hours of 2 p.m. and 6 a.m.
• If the accuracy of the Customer’s bill is in dispute and the Customer pays the undisputed portion under the “Disputed Bills” subsection of this Section 2.

Reconnection after Disconnection
Before service will be reconnected, the Customer must meet the requirements of “Reconnection of Service” subsection of this Section 2.

REFUSAL OR DISCONNECTION OF SERVICE WITHOUT NOTICE

The Company may refuse or disconnect service without notice for the following reasons:
• A condition on the Customer's Premises is determined by the Company to be unsafe or unhealthy.
• Customer use of equipment in a manner that adversely affects the Company’s equipment or utility service to others.
• Tampering with Company equipment. A broken or absent meter seal alone shall not constitute tampering.
• Diversion, unauthorized or fraudulent use of service.
• As requested in cooperation with civil authorities.

Only the Company or authorized Company representative has the right to disconnect service to any Customer and to remove its property from the Customer's Premises after applicable notice.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

WHEN REFUSAL OR DISCONNECTION OF SERVICE IS PROHIBITED

The following will NOT constitute sufficient cause for refusal of service to an applicant nor disconnection of service to a Customer:

All Customers:
- Failure to pay for merchandise purchased from the Company.
- Failure to pay for backbilling as addressed in the subsection “Billing Adjustments” of this Section 2.
- Failure to pay for a different class of utility service.
- The delinquency in payment of a previous occupant of the Premises to be served.
- Failure to pay the bill of another Customer as guarantor.

Residential Customers only:
- If MidAmerican is notified that one of the heads of household is a service member deployed for military service, disconnection shall not take place:
  - During deployment.
  - Prior to 90 days after the end of deployment.
  - The Customer remains responsible for payment of all utility charges associated with the Premises.

During the period from November 1 through April 1:
- If the Customer has been certified by the local community action agency as being eligible for assistance – through the Low Income Home Energy Assistance Program (LIHEAP).
- For failure to pay a deposit or provide Credit Assurance for the location at which the Customer has been receiving service.
SECTION 2 - CUSTOMER POLICIES
Applicable to All Rates and Riders

RECONNECTION OF SERVICE

Service that has been disconnected will be reconnected after the Customer has remedied the reason for disconnection, which may include the following:

- Paid the delinquent bill or, if eligible, entered into a payment agreement.
- Established Credit Assurance.
- Furnished satisfactory evidence of compliance with Company’s rules or terms and conditions.

Reconnection Charge

In order for service to be restored, the Customer must also pay a service reconnection charge as set forth in the “Miscellaneous Fees and Charges” section of this Tariff.

One (1) reconnection charge will be waived each year.

Timing of Reconnection

If payment or other arrangements are made by 7 p.m., all reasonable efforts will be made to reconnect service that day.

If payment or other arrangements are made after 7 p.m., all reasonable efforts will be made to reconnect service not later than 11 a.m. the next day.

Reconnection charges are referenced in “Miscellaneous Fees and Charges” section of this Tariff.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

STANDARD SERVICE

General
A normal installation will be in accordance with the “Expansion of Distribution System” section of this Tariff and will be:

<table>
<thead>
<tr>
<th>Type of Customer</th>
<th>Normal Installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>One single-phase service per single family.</td>
</tr>
<tr>
<td>Commercial/Industrial</td>
<td>One service per structure at one standard voltage.</td>
</tr>
<tr>
<td>Multiple-unit Dwelling and Pre-manufactured Home Parks</td>
<td>One service per clustered meter setting at one standard voltage.</td>
</tr>
</tbody>
</table>

Any additional service provided to isolated and distinct Residential Customer facilities will be installed as excess facilities at Customer expense and will be separately metered and billed at the applicable tariff rate for the additional facility.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

STANDARD SERVICE (continued)

Type of Service
The type of service available depends on
• Location.
• Character of the Customer’s load.
• Size of the Customer’s load.

It is the Customer’s responsibility to contact the Company prior to design of the Customer’s electrical system to determine the type of service available at any specific location.

The Customer should be aware that not all voltages are available at all locations.

Standard Types of Service
The standard types of service offered within the Company’s service territory are listed below. All are 60 Hertz alternating current.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Wire</th>
<th>Phase</th>
</tr>
</thead>
<tbody>
<tr>
<td>120-volt</td>
<td>Two-wire</td>
<td>Single-phase</td>
</tr>
<tr>
<td>120/240 volt</td>
<td>Three-wire</td>
<td>Single-phase</td>
</tr>
<tr>
<td>120/208 volt</td>
<td>Three-wire</td>
<td>Single-phase</td>
</tr>
<tr>
<td>120/208 volt</td>
<td>Four-wire</td>
<td>Three-phase</td>
</tr>
<tr>
<td>120/240 volt*</td>
<td>Four-wire</td>
<td>Three-phase</td>
</tr>
<tr>
<td>277/480 volt</td>
<td>Four-wire</td>
<td>Three-phase</td>
</tr>
</tbody>
</table>

* Available only in overhead areas.

Service at other voltages may be available for approved loads in certain areas.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

STANDARD SERVICE (continued)

Detailed Description

NON-STANDARD SERVICE

The Company will install facilities adequate to meet the Customer's anticipated load as a standard installation.

If the Customer desires facilities other than standard installation, the Customer must contact the Company to determine availability and possible charges.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

FACILITIES PROVIDED BY THE COMPANY

The Company will furnish and install all equipment up to the Point of Attachment, including meters and metering equipment. The Customer may be charged for non-standard metering facilities. Depending on the nature of the Customer's load (e.g., high reactive load), the Company may require the Customer to furnish, install and maintain the appropriate correction equipment on the Customer's side of the Point of Attachment or reimburse the Company for such correction equipment.

All meters, electrical facilities, and other equipment furnished and installed by the Company on the Customer's Premises shall remain the property of the Company. This includes any poles, transformers, switchgear, handholes, pedestals, or other equipment required to serve Customers, regardless of any advance or contribution in aid of construction required.

Such property of the Company will be maintained, repaired and replaced by the Company; however, costs incurred by the Company may be assessed to the Customer in accordance with the “Expansion of Electric Distribution System” and “Existing System Modification” sections of this Tariff.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

CUSTOMER RESPONSIBILITIES

The Customer shall inform the Company as to the size and characteristics of the load that is to be initially and thereafter served, the location of the Premises, the date the Customer anticipates the need for said service and any special circumstances or conditions affecting the supply of electric service by the Company.

Protection of Facilities
The Customer must exercise reasonable care to protect Company property from loss or damage. The Customer shall be responsible for any damage, alteration or interference with Company metering or any other electric facilities on the Customer’s Premises, by the Customer or any other party on such Premises, whether authorized or unauthorized by the Customer. No one other than an agent of the Company shall be permitted to operate, remove or make any alterations or changes to such property. The Customer is responsible for providing employees or duly authorized agents of the Company safe and convenient access to Company facilities on the Customer's Premises at all reasonable hours.

The Customer shall exercise due care to avoid unsafe or unsanitary conditions near the Company’s meter(s) or other service facilities located on the Customer’s Premises.

Pole Attachments
Nothing shall be attached to Company poles without a contractual agreement with the Company.

Performing Work
Any work on Company equipment or facilities shall only be performed by qualified Company employees or other Company-authorized personnel. Such work shall include but not be limited to connections of Customer-owned wires or cable to Company-owned transformers and switches.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

CUSTOMER RESPONSIBILITIES (continued)

Rejection or Termination of Service
The Company shall have the right to reject any application for service or to terminate service to any Customer whose Premises, operation, or electric utilization, in the judgment of the Company:

- Are dangerous to persons or are otherwise unsafe in the vicinity of the Company's meter or other facilities.
- Adversely affect service to other Customers.
- Do not comply with safety and operating standards.
- Make relocation of electric facilities or metering equipment necessary. The Company will relocate such facilities at the Customer's expense to an acceptable location on the Customer's Premises.

Notice of Changes Affecting Company Facilities
The Customer shall promptly notify and receive approval from the Company of any significant changes in operation or equipment at the Customer's Premises which might endanger or affect the proper functioning or require modification of the Company's metering or other electric facilities used in providing service to the Customer or cause a condition where such facilities would not comply with applicable laws, ordinances or codes.
CUSTOMER RESPONSIBILITIES (continued)

Payment for Facilities
The Customer shall pay to the Company the cost of:

• Any equipment the Company deems necessary to protect Company facilities located on the Customer's Premises
• Any change or relocation of the Company's electric facilities on or adjacent to the Customer's Premises in order for the Company to comply with proper operational requirements, requirements of applicable laws, ordinances or codes, or Company standards and policies, when the need for such changes results from significant changes at the Customer's Premises. Requirements related to relocation of equipment resulting from Customer expansions can be found in the “Expansion of Electric Distribution System” or “Existing System Modifications” sections of this Tariff.
• Moving or replacing electric facilities to accommodate a change in grade levels, buildings, structures, foundations, walls, or other changes that would affect the clearances and/or cover of electric distribution system extensions or services. The Customer shall notify the Company prior to any such change.
• Any damage to the Company’s facilities caused by or as a result of the Customer’s operations or the manner in which the Customer uses the Company’s facilities.
• Any repairs, replacement, rerouting, relocation or re-engineering of any Company facilities necessitated by the Customer’s request, or due to the Customer’s negligence or the Customer’s failure to properly comply with any obligations.

Failure of the Customer to pay for facilities installed by the Company shall be grounds for disconnection of electric service.
CUSTOMER RESPONSIBILITIES (continued)

One-call Notification

The Customer is responsible for locating and marking all Customer-owned facilities prior to any construction. The Company shall not be responsible for damage to any facilities the Customer fails to accurately locate and mark.

The Customer is required by Chapter 480, Code of Iowa, to notify the one-call notification center prior to beginning any excavation. The free one-call service can be obtained by the Customer as follows:

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>At least 48 hours (excluding Saturdays, Sundays and legal holidays) before digging begins, notify the “one-call” service at: 811 (preferred) or 1-800-292-8989.</td>
</tr>
<tr>
<td>2</td>
<td>Indicate where and when digging will occur.</td>
</tr>
<tr>
<td>3</td>
<td>Provide the name and phone number of the individual to be contacted by the Company.</td>
</tr>
</tbody>
</table>
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

CUSTOMER RESPONSIBILITIES (continued)

Clearances
The Customer shall:

- Maintain, and shall not compromise, adequate clearances in proximity to Company facilities.
- Notify the Company of any construction of Customer facilities that may result in changes in clearance or grade.

Space to be Provided
The Customer shall provide unobstructed right-of-way and appropriate space for any:

- Company poles.
- Padmount transformers.
- Switchgear.
- Handholes.
- Pedestals.
- Meters.
- Other equipment required to serve Customers.

Company Access
The Customer shall provide and maintain safe and convenient access to Company facilities at all reasonable hours. Such access shall include providing the Company with:

- Unobstructed right-of-way for Company personnel and equipment or facilities over, across, under and upon property owned or controlled by the Customer as necessary to supplying service to Customers.
- The right to trim and remove trees and other vegetation as deemed necessary by the Company to provide reliable service.
CUSTOMER RESPONSIBILITIES (continued)

Customer-owned Equipment

The Customer is solely responsible for installation, maintenance and replacement of facilities for all Customer-owned equipment. Customer equipment shall not negatively impact other Customers in the area.

If the Customer has motors, computers, electronic or electrical equipment that may be damaged by irregularities or interruption of service, the Customer is responsible for the purchase and installation of suitable protective equipment. Protection should be in accordance with the National Electrical Code or other guideline for all types of motors and other equipment.
CUSTOMER RESPONSIBILITIES (continued)

The following are conditions under which motors and other equipment may require protection:

- Overload.
- Loss of voltage.
- High or low voltage.
- Loss of phase(s) (e.g., single phasing).
- Re-establishment of service after any of the foregoing phase reversal.
- Motors that cannot be subjected to full voltage on starting.
- Harmonics or wave form irregularities.

Compliance with Codes

The Customer shall install all Customer-owned electrical equipment in a condition:

- In accordance with the National Electrical Code, National Electrical Safety Code, applicable laws, rules, and regulations.
- Acceptable to and approved by the governmental inspection authority having jurisdiction in the territory in which the Customer’s Premises is located.
- In accordance with the Company’s standards.

If any questions concerning the compliance of the Customer’s equipment arise, Company personnel will provide further assistance.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

METERING FACILITIES

One (1) metering point will be permitted for each building using electricity. Exceptions will be made with Company approval or where required by local ordinance.

All sales of electric service will be metered except where specifically exempted within a rate class or where, at the sole discretion of the Company, it is impractical or unsafe and the amount of service used may be reasonably computed without metering.

Master Metering

Master metering means a single meter used to determine the amount of electricity provided to a multi-occupancy building or multiple-building complex. Master metering to multiple buildings is prohibited, except where multiple buildings are owned by the same person or entity.

Multi-occupancy or Multiple-building Complex Metering

Electric service rendered to each tenant in a multi-occupancy building or multiple-building complex shall be metered separately and shall be billed directly to that tenant, unless the owner or landlord of the building(s) elects to furnish space heating, hot water service, or other similar service from a centralized (that is, outputs of such equipment are combined in a single header or plenum) system.

Common electric service may be measured through a single meter provided that:

- Such service is taken in the name of the owner or landlord.
- The tenant may be charged for electricity as an unidentified portion of the rent, condominium fee, or similar payment.
- If some other method of allocating the cost of the electric service used, the total charge for electric service shall not exceed the total electric bill charged by the Company for the same period.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

METERING FACILITIES (continued)

Multi-occupancy or Multiple-building Complex Metering (continued)

Separate metering is not required for:

- Units within buildings normally considered to be temporary domiciles, such as hotels, dormitories, health care facilities, and nursing homes.
- Portions of buildings in which separate metering is impractical, such as concession stands in lobbies or individual offices that share office service areas.
- Multiple-unit buildings or multiple-building complexes that are designated as congregate, assisted-living care facilities for elderly or handicapped persons.
- Where submetering or resale of service was permitted prior to 1966.

- Where individual metering is impractical.

“Impractical” means:

- Where conditions or structural barriers exist in the multi-occupancy building that would make individual meters unsafe or physically impossible to install.
- Where the cost of providing individual metering exceeds the long-term benefits of individual metering.
- Where the benefits of individual metering (reduced and controlled energy consumption) are more effectively accomplished through a master meter arrangement.

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Issued by: Naomi G. Czachura
Vice President

Effective: July 31, 2014
METERING FACILITIES (continued)

Interval Metering

Interval meters are meters which provide measurement of electric consumption such that usage information is available for discrete increments (e.g., hourly, daily) throughout the metering period.

A Customer may request that interval metering equipment be installed for the Customer by the Company but such installation shall be at the Customer’s expense. The Company will own, furnish, install, calibrate, test, maintain, and read meters used for billing and settlement purposes. The Customer is required to provide a communication line (telephone, cellular phone, or Internet TCP/IP) or other interfaces agreed to by the Company for automated transmission of interval data. Access shall be provided by the Customer to the Company for maintaining and operating such equipment. Charges associated with the incremental cost of requested interval metering, including any costs associated with meter reading, shall be consistent with the terms of the Company’s Excess Facilities Rider.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

METERING FACILITIES (continued)

Meter Replacement

When the Customer has a significant decrease in load or has their service rate reassigned due to a decrease in load, and the Customer’s existing meter is inadequate or incompatible with the new electric service rate, the Customer may be required to reimburse the Company for the cost of replacing the meter.

When the Customer has a significant increase in load and the Customer's existing meter is inadequate or incompatible with the requirements of measuring the increased load, the Company will replace the meter consistent with the terms in the “Existing System Modifications” section of this Tariff.

Additional Metering Information

Additional guidance on metering facilities can be found in the Electric Service Manual, available on MidAmerican’s website at: www.midamericanenergy.com.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

INSPECTIONS

Company Inspection
For protection of Company facilities and to safeguard service to others, the Company reserves the right to inspect the following at any time:

- Service entrance.
- Meter location.
- Customer’s electric facilities.

Refusal of Service
The Company may refuse to connect service or may disconnect service if the Customer's facilities, in the Company’s opinion, do not comply with safety and operating standards, including:

- The National Electrical Code ® (NEC®).*
- The Iowa Electrical Safety Code.
- Applicable local codes.

If inspection by a municipality or other governmental agency is required for service at a new location, the Company will not connect service until such inspection is completed. The Company is not responsible for payment of these inspection fees.

Company Liability
Any inspection by the Company shall not be construed to impose any liability upon the Company to the Customer or any other person by reason thereof. The Company shall not be liable or responsible for any loss, injury or damage which may result from the use of or defects in the Customer's wiring or equipment.

* National Electrical Code ® and NEC® are registered trademarks of the National Fire Protection Association, Inc., Quincy MA 02269.
SECTION 3 - TECHNICAL AND OPERATIONAL REQUIREMENTS
Applicable to All Rates and Riders

PARALLEL GENERATION OPERATION

For the safety of Customer and Company personnel and equipment, the operation of Customer-owned generating equipment in parallel with the Company’s system is prohibited without express written agreement between the Customer and the Company.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

APPLICABILITY

The provisions of this section pertain to any expansion of the Company’s electric Distribution System, whether it includes an Extensive Plant Addition, Plant Addition, Electrical Line Extension or a Service Line.

DEFINITIONS

In addition to terms previously defined in the section “Electric Service Policies,” the following definitions are used in this section:

Abnormal Conditions means circumstances that cause increased installation costs for a Distribution System Expansion including but not limited to frozen ground, rock, safety issues, legal problems, routing, right-of-way acquisition, obstructions, hindrances, crop damage, governmental or third-party requirements.

Applicant means a Customer, developer, subdivider, property owner(s) or other entity that requests and/or contracts for electric service requiring Extensive Plant Additions, Plant Additions, Electrical Line Extensions and/or Service Line.

Attachment Period means a time period within which the Applicant must attach to an Electrical Line Extension. The Attachment Period will be between 30 days and one year, as agreed upon by the Company and the Applicant.

Construction Costs means the materials, labor and miscellaneous costs associated with an Extensive Plant Addition or an Electrical Line Extension. It does not include the cost of Service Lines.

Distribution System for the purposes of determining Extensive Plant Addition, Plant Addition, and/or Electrical Line applicability, means all electric facilities other than Service Lines used to deliver electricity.
DEFINITIONS (continued)

Distribution System Expansion means any expansion of the Company's Distribution System, including Extensive Plant Additions, Plant Additions and Electrical Line Extensions. It does not include Service Lines.

Electrical Line Extension for purposes of calculating extension charges means that portion of a single or multiphase power line extension other than a Service Line on public or private right-of-way whose purpose is to connect the Company's existing power line to a new Customer or Customer location.

Equivalent Overhead Transformer Cost means the capitalized transformer cost, or fraction thereof, that would be required for similarly situated customers served by pole-mounted or platform-mounted transformer(s).

Extensive Plant Addition means facilities required before the Customer can be served that:

- Are other than Plant Additions paid by the Company, Electrical Line Extension or Service Line including but not limited to:
  - Electric power line upgrades.
  - Transmission lines.
  - Substation facilities.
- Infrastructure improvements that are not currently budgeted or economically justified.

Income Tax Surcharge is the amount which a Refundable Advance or Nonrefundable Contribution must be increased to pay the increased income taxes incurred by the Company on Refundable Advances and Nonrefundable Contributions taken.

Nonrefundable Contribution means an amount paid after construction by a Customer and/or Applicant to Company that is not subject to refund.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

DEFINITIONS (continued)

Non-Residential Service for purposes of determining Extensive Plant Additions, Electrical Line Extension and/or Service Line applicability means the electric utility service rendered which does not meet the definition of Residential Service.

Permit Fees means those costs imposed upon the Company by a governmental unit or other entity having the authority to levy such charges, that are incurred by the Company in association with making the Distribution System expansion for the Applicant(s). Permit Fees are not subject to refund nor Income Tax Surcharge.

Plant Addition is additional plant, other than Electrical Line Extension or Service Line, that the Company will construct without charge to the Applicant.

Refundable Advance means an amount normally paid by Customer and/or Applicant to Company prior to construction that potentially may be refunded in whole or in part, when certain conditions are met.

Residential Service for purposes of determining Electrical Line and/or Service Line applicability means the electric service rendered to one (1) Customer qualifying for a Residential rate.

Revenue Credit is the amount of Customer revenue used to offset the Construction Costs for Distribution System Expansions in determining if a Customer must pay a Refundable Advance or, in limited cases, a Nonrefundable Contribution.

Service Line is a secondary line operating at less than 2,000 volts between ungrounded conductors, or less than 1,155 volts between grounded and ungrounded conductors located on private property serving a single Customer or Point of Attachment for electric service.

Similarly Situated Customer is a Customer whose annual consumption or service requirements are similar to the Applicant requesting the Distribution System Expansion.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

DEFINITIONS (continued)

Speculative Electric Customer is a Customer whose energy use is related to diminishing resources such as, but not limited to, sand and gravel plants, facilities whose permanent and continuing use of service is questionable, or other facilities whose use of service is intermittent and/or difficult to accurately estimate.

Standard Equivalent Service Cost means the Service Line allowance which is the installed cost equivalent of 50 feet of single-phase overhead conductor, excluding abnormal construction conditions or unusual expenditures.

Subdivision means a parcel or parcels of land consisting of four (4) or more lots whose site plan or plats have been recorded with the appropriate governmental agencies.

Surety means a bond, contract, or guarantee by the Applicant or on behalf of the Applicant to pay a Refundable Advance due to the Company, or to guarantee Revenue Credit.

Temporary Electric Service means a location where service is to be of a temporary nature with anticipated electricity use of less than three (3) years.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

GENERAL

The Company’s electric Distribution System includes both overhead and underground facilities.

Distribution System Expansions will normally be made by construction of additional overhead facilities except:
- In newly platted residential developments.
- In other Company designated underground areas.

Overhead facilities will not normally be constructed into areas designated by the Company for underground facilities except:
- Electric supply lines bringing power to the area, principally three-phase feeder lines.
- Transmission lines.

Electrical Line Extensions required for Temporary Electric Service and Speculative Electric Service are addressed under the “Temporary Electric Service” and “Speculative Electric Service” subsections, respectively, of this Section 4.

Distribution System Expansions and Service Lines shall remain the sole property of the Company, regardless of any Customer Refundable Advance or Nonrefundable Contribution.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

APPLICANT REQUIREMENTS

Notify the Company of the Expansion Before Starting Work

The Applicant is advised to contact the Company to make the necessary arrangements with respect to Distribution System expansion before proceeding with the design and construction of the facilities for which electricity service is required.

If an expansion of the Company’s Distribution System is necessary in order to serve an Applicant, the Company shall make the Distribution System expansion in accordance with the provisions in this Section 4. The Applicant must agree to the provisions of this section before the Distribution System expansion is made. The procedure to order Electrical Line Extensions and/or Service Lines is contained in the Company’s Electric Service Manual, available at www.midamericanenergy.com.

Provide Adequate Space

An Applicant shall be responsible for providing space for any:

- Company poles.
- Padmount transformers.
- Switchgear.
- Handholes.
- Pedestals.
- Other equipment required to serve Customers.
- Suitable right-of-way, acceptable to the Company.
- Necessary easements for Extensive Plant Additions and Electrical Line Extensions located on the Customer’s property.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

APPLICANT REQUIREMENTS (continued)

Provide Right-of-Way or Easements Without Charge to the Company

The Applicant must provide, without cost, such unobstructed right-of-way for Company equipment or facilities over, across, under and upon property owned or controlled by the Applicant or Customer as is necessary and incidental to supplying service to Customers. The Applicant is responsible for any expense to the Company for:

- Acquisition of suitable right-of-way acceptable to the Company.
- Proper clearing of right-of-way and easements for adequate clearances or to final grade.
- Any additional easements required that are not on Customer property.

Such right-of-way shall include the right to trim or remove trees and other vegetation as deemed necessary by the Company to provide reliable service. The Customer must permit Company access to such right-of-way at all reasonable hours.

Reimbursements Required

Permit Fees shall be reimbursed by the Applicant. Such fees are to be paid regardless of whether the Customer pays a Refundable Advance or Nonrefundable Contribution and:

- Must be paid in advance.
- Are not refundable.
- Are not subject to Income Tax Surcharge.
- Shall not be offset by Revenue Credit.
SECTIONS 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

APPLICANT REQUIREMENTS (continued)

Conformance with Iowa State Building Code

The Applicant will be required to certify or provide certification that a new structure conforms to the energy conservation requirements in the Iowa State Building Code (IAC Subrules 661.303(3) and (4)) if the facility to which service is to be extended is:

- A new structure heated or cooled by electric service.
- Intended for human occupancy.

An Applicant requesting a Distribution System Expansion will be required to pay a Refundable Advance to the extent the estimated Construction Costs for the requested expansion exceed the Applicant’s revenue credit. See subsection “Refundable Advances.”

DISTRIBUTION SYSTEM FACILITIES PROVIDED

The Company shall provide Extensive Plant Additions and/or Electrical Line Extensions for Applicant(s) that requests and/or contracts for electric service requiring such electric facilities in accordance with good engineering practice. If the estimated Construction Costs to provide the Extensive Plant Additions and/or Electrical Line Extension exceeds the Customer’s Revenue Credit, the Applicant will pay, in advance of construction, a Refundable Advance to the Company equal to the difference between the estimated Construction Costs and the Revenue Credit.

A Refundable Advance shall be made for the estimated Construction Cost exceeding the revenue credit as outlined in the “Refundable Advances” subsection of this Section 4.”
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

CONSTRUCTION COSTS

Construction Costs are calculated using average current costs in accordance with good engineering practice.

- For estimated Construction Costs less than $100,000 there is no true-up to actual costs.
- Estimated Construction Costs of $100,000 or greater will be trued-up to actual costs as specified in the facilities agreement between the Company and the Applicant.

Standard Construction Costs may include:
- Materials and accessories required to construct a line including:
  - Padmount transformers less the Equivalent Overhead Transformer Cost.
  - Switchgear, switches, fusing cabinets, conductor, cable, poles, elbows, fuses and lightning arrestors.
  - Any other construction material.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

CONSTRUCTION COSTS (continued)

Should the Applicant wish or require a more expensive Extensive Plant Addition, Plant Addition, or Electrical Line Extension design than the Company proposes based on good engineering practice, the Applicant must pay, as a Refundable Advance, the difference between the higher cost design and the Company’s design or facilities normally provided.

Costs for Service Lines shall not be included in the Construction Costs for Distribution System Expansion and shall not be offset by Applicant’s Revenue Credit.

REVENUE CREDIT

Revenue Credit is the amount of estimated Applicant revenue that may be used to offset the estimated Construction Costs for a requested Distribution System Expansion. The Applicant must reimburse the Company for any remaining amount after offset as a Refundable Advance.

The Revenue Credit is set at three (3) times the estimated annual revenue, less both fuel expenses and energy efficiency cost recovery charges that the Company expects to receive from the Applicant.

Estimated annual revenues are calculated on the basis of similarly situated Customers, taking into account several factors, including, but not limited to, the following:

- Size of the Applicant’s facility.
- Size and type of equipment to be used by the Applicant.
- Average annual amount of service required by the equipment.
- Average number of hours per day and days per year the equipment will be in use.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

REVENUE CREDIT (continued)

Where estimates of the Applicant’s estimated annual revenues are in dispute or are, in the Company’s sole discretion, not able to be calculated:

- The Applicant must pay the total cost of the Distribution System Expansion at the time of construction.
- After one year, the Company will apply a credit of three times the Customer’s actual annual revenue, less both fuel expenses and energy efficiency cost recovery charges.

ADDITIONAL APPLICANT COSTS

Abnormal and Unusual Conditions
When Abnormal Conditions are present and/or unusual expenditures are required, Applicants shall pay the Company a Refundable Advance for the excess costs to be incurred by the Company in order to expand the system. Such charges are subject to Income Tax Surcharges.

Permit Fees
The Applicant shall pay actual Permit Fees. Permit Fees may not be offset by Revenue Credit and are to be paid regardless of whether the Applicant is required to pay a Refundable Advance or a Nonrefundable Contribution.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

ADDITIONAL REQUIREMENTS FOR EXPANSION TO SUBDIVISIONS

Subdivision Requirements

The Applicant in an area to be served by electric facilities will be required to furnish the Company with the following items:

- Suitable recorded plats and valid title restrictions or covenants.
- Final site or plot plans showing specific locations of all existing or proposed buildings, water mains, sewer tiles, paved areas, and any other obstacles that are or will be below grade. The final site or plot shall also include the final lot numbering system and/or final address numbers, if applicable.

Agreements Required

The Company will not begin installation of electric facilities until agreements between the Company and the Applicant setting forth the obligations and liabilities of the parties have been obtained. The agreements shall include:

- The Company's estimates of all payments, reimbursements, and deposits, if any, to be made by the Applicant.
- Arrangements satisfactory to the Company with regard to payments, reimbursements, and deposits, if any, made prior to the commencement of the installation of such electric facilities. The arrangements can include, but are not limited to, payment of estimates in advance of the installation and credit or collateral agreements.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

ADDITIONAL REQUIREMENTS FOR EXPANSION TO SUBDIVISIONS (continued)

Prior to Construction

Before the Company begins to install electric facilities, the Applicant will be required to:

- Provide approved site or plot plans.
- Provide clearance and remove obstructions from the Company's construction route and from the area to be used for installation of electric facilities and provide access to the area for the Company's equipment.
- Establish the final grade of the route upon which the Company’s electric facilities will be located and stake or otherwise identify property boundaries, as required.
- Provide visible lot pins or stakes in all lot corners adjacent to the easement areas at such intervals as may be designated by the Company.
- Notify the Company sufficiently in advance of construction to permit proper coordination of construction with other utilities involved.

Residential Subdivision

Electrical Line Extensions in newly platted subdivisions will be made on the same cost basis to Customers as Electrical Line Extensions along private right-of-way.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

ADDITIONAL REQUIREMENTS FOR UNDERGROUND SYSTEM EXPANSIONS

Site Requirements

The Applicant is responsible for site preparation including removal and restoration of:

- Obstructions.
- Sod.
- Landscaping features.
- Other conditions that impede installation of Company facilities.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

ADDITIONAL REQUIREMENTS FOR UNDERGROUND SYSTEM EXPANSIONS
(continued)

Changes After Start of Construction

The Applicant will be charged for relocating any Company facilities after construction is started as a result of changes in:

- Grade changes in excess of four inches.
- Lot line(s).
- Site conditions including driveways, fences, or other impediments to construction.
- Easement boundaries which had previously been considered final.

Other Underground Facilities Requirements

The Applicant may be responsible for duct and transformer pads if requested by the Company as follows:

- For Residential Service, Applicant is responsible for the:
  - Installation of duct to accommodate Company cable under pavement or obstructions.
  - Installation of duct to accommodate Company cable in rear lot lines when requested by the Applicant, developer, or governmental unit.

- For Non-Residential Service, including multiple-unit dwellings and mobile home parks, the Applicant is responsible for the:
  - Installation of duct to accommodate Company cable on private property.
  - Construction and maintenance of transformer pads for multiphase service in accordance with Company specifications.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM

Applicable to All Rates and Riders

ADDITIONAL REQUIREMENTS FOR SYSTEM EXPANSIONS COSTING $100,000 OR MORE

The Company will not begin installation of electric facilities for Distribution System Expansions estimated to cost $100,000 or more until agreements between the Company and the Applicant or Applicant’s agent setting forth the obligations and liabilities of the parties have been obtained. The agreements shall include:

- The Company’s estimates of all payments reimbursements, reconciliations, and deposits, if any, to be made by the Applicant or Applicant’s agent.
- Arrangements satisfactory to the Company with regard to payments, reimbursements, and deposits, if any, made prior to the commencement of the installation of such electric facilities. The arrangements can include, but are not limited to, payment of estimates in advance of installation, minimum monthly contributions, and credit or collateral agreements.

Construction Costs shall be based on the actual cost of the Distribution System Expansion required to provide electric service to the Applicant. The method of reconciliation and cost recovery or credit for any discrepancy shall be specified in the agreement.

For Construction Costs that are expected to exceed $1 million, the Company may require additional Surety equal to the Applicant’s Revenue Credit. The additional Surety shall be:

- In addition to any Refundable Advance.
- An unconditional and non-expiring irrevocable letter of credit or alternative form of security acceptable to the Company.
- In effect on a declining basis until such time as the actual revenue less both fuel expenses and energy efficiency cost recovery charges paid by the Customer, is equal to the Revenue Credit.

At the Company’s sole discretion, additional Surety may be waived after review in accordance with standard commercial practices.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
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ADDITIONAL REQUIREMENTS FOR TEMPORARY ELECTRIC SERVICE

An Applicant requesting Temporary Electric Service is subject to the provisions in this section, “Expansion of Electric Distribution System.” In addition to right-of-way, easements, and permit costs, the Applicant shall pay the cost of installation and removal of temporary Electrical Line Extension, Service Line, and any other facilities of a temporary nature, less the salvage value of facilities removed, as a Nonrefundable Contribution. Such costs associated with the temporary facilities shall not be offset by Revenue Credit.

Estimated Construction Costs for any portion of the Electrical Line Extension that is not of a temporary nature may be offset by Revenue Credit and any remaining cost paid separately as a Refundable Advance. The Company shall not be required to make any refunds to the Temporary Electric Service Customer for Service Line attachments made after the Temporary Electric Service Customer's service is removed.

ADDITIONAL REQUIREMENTS FOR SPECULATIVE ELECTRIC SERVICE

A Speculative Electric Customer(s) requesting an Extensive Plant Addition or Electrical Line Extension is subject to the provisions in this section, “Expansion of Electric Distribution System” and in addition, must pay all estimated Construction Costs as a Refundable Advance.

Refund amounts for a Speculative Electric Customer will be an amount equal to 50 percent of actual annual revenues less both fuel expenses and energy efficiency cost recovery charges for the preceding year, refunded at the end of each year for six years, except that the total refunded must not exceed the amount of the original Refundable Advance.

ADDITIONAL REQUIREMENTS FOR APPLICANT’S FAILURE TO ATTACH WITHIN THE ATTACHMENT PERIOD

Should the Applicant fail to attach within the Attachment Period, a Refundable Advance or Nonrefundable Contribution equal to the Construction Costs of the Distribution System Expansion and/or Service Line will be required.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

SERVICE LINES

An Applicant, either Residential or Non-Residential, requiring a Service Line will be provided the Standard Equivalent Service Cost at no charge to the Applicant. Any costs that exceed the Standard Equivalent Service Cost will be paid by the Applicant as a Nonrefundable Contribution and shall not be offset by Revenue Credit.

The Company will discuss the location of the Service Line with the Applicant and the Company will make the final determination for each of the following:

- Point on its system where the Service Line will originate.
- Point of Attachment of Company facilities to Applicant’s facilities.
- Meter location.

Customer-Owned Underground Facilities

Any Customer-owned underground facilities shall be marked on the Premises by the Customer or shall be shown on the diagram in the completed service agreement. During the installation of the Service Line and thereafter, the Company will not be responsible for damage to any Applicant- or Customer-owned underground facilities if not marked or improperly marked, such as but not limited to: septic lines, water lines, electric wires, fuel gas lines, invisible fencing, irrigation lines, storm water/foundation drains or communication lines.

Residential Underground Service Lines

In addition to the applicable requirements in the subsection “Additional Requirements for Underground System Expansions” of this Section 4, a Residential Applicant may, with agreement of the Company, install their own underground Service Line, which will become the property of the Company. The Applicant will be required to pay the applicable Income Tax Surcharges on the value of the Service Line installed by the Applicant.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

SERVICE LINES (continued)

Non-Residential Underground Service Lines

In addition to the applicable requirements in the subsection “Additional Requirements for Underground System Expansions” of this Section 4, a Non-Residential Applicant, including multiple-unit dwellings and pre-manufactured home parks, will provide, install, and maintain the Service Line to the Point of Attachment to Company facilities as specified by the Company.*

For specific service entrance equipment, installation and maintenance requirements refer to the Electric Service Manual, which can be found at www.midamericanenergy.com.

*The Company will credit the Standard Equivalent Service Cost to the cost of the Service Line and/or related equipment provided by the Company. Any additional cost of the underground service will be paid by the Applicant as a Nonrefundable Contribution.

AGREEMENTS REQUIRED

An Applicant will enter into an agreement with the Company for each of the following, as applicable when:

- Required to pay a Refundable Advance.
- Required to pay a Nonrefundable Contribution.
- An Extensive Plant Addition is needed to serve the Applicant’s electric load.
- Additional Surety is required as a result of Construction Costs expected to exceed $1 million.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

SUMMARY OF CUSTOMER PAYMENTS THAT MAY BE APPLICABLE

The table, below, provides a summary of payments that may be applicable for Distribution System expansion and is not intended to replace the detailed provisions of this Section 4.

<table>
<thead>
<tr>
<th>Nonrefundable Payments Including Income Tax Surcharge</th>
<th>Refundable Advances Including Income Tax Surcharge</th>
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<tr>
<td>• Service Line costs in excess of Standard Equivalent Service Cost.</td>
<td>• Where estimated Construction Costs exceed Revenue Credit for Distribution System Expansions.</td>
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<tr>
<td>• Installation and removal costs of temporary facilities for Temporary Electric Service.</td>
<td>• Cost of abnormal and unusual conditions.</td>
</tr>
<tr>
<td>• Where estimated Construction Costs exceed Revenue Credit for Construction Costs over $1 million.</td>
<td>• As additional Surety equal to the Revenue Credit for Construction Costs over $1 million.</td>
</tr>
<tr>
<td>• Total estimated Construction Costs for Speculative Customers.</td>
<td>• Where estimated Construction Costs exceed Revenue Credit for the portion of Temporary Electric Service facilities that are not temporary.</td>
</tr>
<tr>
<td>• Total Construction Costs of expansion if attachment is not made during the Attachment Period.</td>
<td>• Total estimated Construction Costs for Speculative Customers.</td>
</tr>
</tbody>
</table>

No Income Tax Surcharge

- Permit fees.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

TIMING OF REQUIRED PAYMENTS

Prior to the Start of Construction

Refundable Advances

All Refundable Advances required for Distribution System expansions will be made no more than 30 days prior to the start of construction, unless other arrangements have been made with the Company. Payments for Refundable Advances must be made in cash, check, money order, or at the Company’s sole discretion, by Surety instrument.

Permit Fees

Permit Fees must be paid prior to the start of construction and payment must be made in cash, check, or money order.

Following Completion of Construction

Nonrefundable Contributions

All Nonrefundable Contributions for Service Lines will be made within 30 days after completion of the construction subject to the Nonrefundable Contribution. Any Customer that fails to pay any or all Nonrefundable Contributions or fees will be subject to disconnection. If the Customer is not the Applicant that contracted with the Company, the Customer will not be disconnected for failure of the Applicant to pay. Payments for Nonrefundable Contributions must be made in cash, check, or money order.

REFUNDABLE ADVANCES

An Applicant requesting a Distribution System Expansion may be required to pay a Refundable Advance. The Refundable Advance payment(s) will include an Income Tax Surcharge to fully reflect the potential tax effects on the Company.
REFUNDABLE ADVANCES (continued)

An Applicant shall always have the option to make a Refundable Advance in the form of cash. The Company, in its sole discretion, may make available to the Applicant other Refundable Advance options including non-expiring irrevocable letters of credit, Surety bonds or other payment and refund arrangements agreed to by the Company.

Such Refundable Advance is in addition to Permit Fees. The Refundable Advance shall be refundable for ten (10) years. Refunds will be made for each new Service Line attachment to the Distribution System Expansion. No interest will be paid on Refundable Advances held by the Company.

Refunds will be made annually on or about the anniversary date the Refundable Advance was made. The refund will have a cash value equal to the Revenue Credit for the attaching Service Line(s) or new load, plus a pro rata share of the Income Tax Surcharge. The total refunded shall not exceed the amount of the original Refundable Advance. Refunds will only be made to the original contributor unless assigned in a form acceptable to the Company by such original contributor.

Surety Instruments

If a Surety instrument is used, the amount must include:
- The amount of the Refundable Advance.
- A surcharge equal to the annual interest rate paid by the Company on Customer credit assurance deposits multiplied by the amount of the Refundable Advance.

The Surety must remain in force until called by the Company, at the earlier of the following:
- At the end of one year from the date of the Refundable Advance.
- When the earned revenues are equal to the amount of the Refundable Advance.
SECTION 4 – EXPANSION OF ELECTRIC DISTRIBUTION SYSTEM
Applicable to All Rates and Riders

REFUNDABLE ADVANCES (continued)

When called by the Company, the Applicant must pay the Company the amount of the surcharge in cash, check, or money order.

If there are not sufficient earned refunds when the Surety is called to offset the full amount of the original Refundable Advance, the Applicant must provide a new Refundable Advance to cover the remaining amount.

Upon receipt of a new Refundable Advance, the Company will release the prior surety. Earned refunds will be credited against the new Refundable Advance over the remainder of the original refund period.

The Applicant may continue to provide a Surety as a Refundable Advance each year until the end of the ten-year refund period. At that time, the Refundable Advance becomes nonrefundable and must be paid in cash, check, or money order.

NONREFUNDABLE CONTRIBUTIONS

The Company will increase the Nonrefundable Contribution payment(s) required from the Customer as an Income Tax Surcharge to fully reflect the potential income tax effects on the Company.

Payments for Nonrefundable Contributions must be made in cash, check, or money order.
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

APPLICABILITY

The provisions of this section, “Existing System Modifications,” pertain to any changes to the Company’s existing electric facilities caused or necessitated by others. The terms and conditions of the “Expansion of Electric Distribution System” section of this Tariff shall also apply, except as modified or supplemented herein.

GENERAL

Conversion of existing overhead facilities to underground or relocation of facilities will be allowed unless an engineering, operating, construction, safety or legal reason would make such installation inadvisable.

COST OF MODIFICATIONS

The Customer(s) or Applicant(s) requesting a conversion or relocation of Company facilities must pay a Nonrefundable Contribution in accordance with the applicable sections of the “Expansion of Electric Distribution System” section of this Tariff. The Nonrefundable Contribution will include:

- The total cost of the requested facilities.
- The cost of removal of existing facilities.
- The total cost of relocating facilities.
- The amount of the applicable Income Tax Surcharge.

See the “Enlargement of Company Facilities” subsection of this Section 5 for applicable charges if the relocation or conversion will result in an increase in load.
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

RELOCATION OF COMPANY FACILITIES

Customer- or Applicant-Requested Relocations

Existing Customers who are presently served by, or Applicants who have available electric service, but request the Company to relocate, or in some other manner modify these facilities, will reimburse the Company if the Company, at its discretion, agrees to make the requested changes. Such charges will be based on standard job estimation calculations incurred for such work, unless actual costs exceed $100,000.00, and then actual costs will be used.

Types of modifications that may fall under this provision include, but are not limited to:

- Relocations required to correct compliance/code violations caused by the Customer.
- Customer-requested relocations or modifications for other reasons.

Customer-Imposed Relocations

The Customer is responsible for damage, alteration, or interference with Company metering or other electrical facilities.

The Customer will pay the cost of any change or relocation of the Company’s service facilities caused by alterations made by the Customer on Customer’s Premises in order to comply with laws, ordinances, codes, and standards.

Government-Requested Relocations

The Company will relocate its facilities originally placed on public property at the request of the governmental unit performing road widening or similar public projects in accordance with legal and regulatory requirements.
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

RELOCATION OF COMPANY FACILITIES (continued)

Reimbursement for Government-Requested Relocations

- The cost of facility relocation requests on public rights-of-way or private third-party easements, including removal, shall be in accordance with franchises, legal, and/or regulatory requirements and applicable sections of the “Expansion of Electric Distribution System” section of this Tariff and “Cost of Modifications” subsection of this Section 5.

For relocations that are not covered by an applicable franchise agreement, the governmental unit will be given the option to elect whether the Company will charge the:
- Governmental unit directly or
- Customers within the governmental unit’s boundaries.

Charge to Governmental Unit Directly

- Should the governmental unit elect by passing a motion, resolution, amendment, or ordinance to be charged directly for the cost of relocating facilities, or the governmental unit fails to make an election, such cost shall be charged to the governmental unit as a Nonrefundable Contribution in accordance with the applicable sections of the “Expansion of Electric Distribution System” and “Additional Applicant Costs” of this Tariff. The Nonrefundable Contribution shall be increased by the amount of the Income Tax Surcharge unless the relocation meets the Internal Revenue Service exceptions for taxable improvements.
### SECTION 5 - EXISTING SYSTEM MODIFICATIONS

**Applicable to All Rates and Riders**

#### RELOCATION OF COMPANY FACILITIES (continued)

<table>
<thead>
<tr>
<th>Charge to Customers within the Governmental Unit’s Boundaries</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Should the governmental unit elect by passing a motion, resolution, amendment, or ordinance that the Customers within the governmental unit's boundaries are to be charged, the applicable charges for the relocation costs, including applicable Income Tax Surcharge, shall be collected on a per kWh basis from all Customers within the boundaries of the governmental unit as a Local Government Compliance Charge. However, such charges will not be assessed to Company facilities located within the boundaries of the governmental unit. The calculation and current applicable Local Governmental Compliance charges are shown in Clause LGC of this Tariff. Clause LGC shall be applied in a manner which compliments but does not conflict with any applicable franchise agreement. In the case of a conflict between Clause LGC and an applicable franchise agreement, the franchise agreement shall supersede this clause.</td>
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</tbody>
</table>
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

CONVERSION OF COMPANY FACILITIES

Customer- or Applicant-Requested Conversions
Existing Customers who are presently served by, or Applicants who have available, electric service but request the Company to convert its facilities from overhead to underground, or in some other manner modify these facilities, will reimburse the Company if the Company, at its discretion, agrees to make the requested changes. Such charges will be based on standard job estimation calculations incurred for such work, unless actual costs exceed $100,000.00, and then actual costs will be used.

Reimbursement for Customer- or Applicant-Requested Conversions

The cost of facility conversion requests on public rights-of-way or private third-party easements, including removal, shall be paid as a Nonrefundable Contribution and in accordance with applicable subsections of the “Expansion of Electric Distribution System” section of this Tariff and “Cost of Modifications” of this Section 5, above.

Government-Requested Conversions

If conversion is required by a governmental unit, the conversion cost will be charged to the governmental unit or to the Company’s Customers in the governmental unit.

At such time of the request to convert facilities from overhead to underground, the governmental unit will be given the option to elect whether the Company will charge the:
- Governmental unit directly or
- Customers within the governmental unit’s boundaries.

Charge to Governmental Unit Directly

Should the governmental unit elect by passing a motion, resolution, amendment, or ordinance to be charged directly for the cost of converting facilities from overhead to underground, or the governmental unit fails to make an election, such cost shall be charged to the governmental unit as a Nonrefundable Contribution in accordance with the applicable sections of the “Expansion of Electric Distribution System” and “Additional Applicant Costs” of this Tariff. The Nonrefundable Contribution shall be increased by the amount of the Income Tax Surcharge unless the conversion meets the Internal Revenue Service exceptions for taxable improvements.
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

CONVERSION OF COMPANY FACILITIES (continued)

Charge to Customers within the Governmental Unit’s Boundaries

Should the governmental unit elect by passing a motion, resolution, amendment, or ordinance that the Customers within the governmental unit’s boundaries are to be charged, the applicable charges for the conversion costs, including applicable Income Tax Surcharge, shall be collected on a per kWh basis from all Customers within the boundaries of the governmental unit as a Local Government Compliance Charge. However, such charges will not be assessed to Company facilities located within the boundaries of the governmental unit. The calculation and current applicable Local Governmental Compliance charges are shown in Clause LGC of this Tariff.

SIMULTANEOUS CONVERSION AND RELOCATION OF COMPANY FACILITIES

Customer- or Applicant-Requested Conversions and Relocations

If conversion in conjunction with relocation is required by a Customer or Applicant, both “Relocation of Company Facilities” and “Conversion of Company Facilities” subsections of this Section 5 shall apply.

Government- Requested Conversions and Relocations

If conversion in conjunction with relocation is required by a governmental unit, the costs associated with relocation and conversion costs shall be determined separately.

- For the relocation portion of the work, the relocation will be in accordance with the “Relocation of Company Facilities” subsection of this Section 5.
- For the conversion portion of the work, the conversion will be in accordance with the “Conversion of Company Facilities” subsection of this Section 5.
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

ENLARGEMENT OF COMPANY FACILITIES

System Capacity Enlargement

A Non-Residential Customer or Applicant that requests or causes an upgrade of the Company’s existing facilities may be required, at the Company’s sole discretion, to provide additional assurances in the form of cash, non-expiring irrevocable letters of credit, surety bonds, or other payment agreements that allow the Company to recover the cost of such upgrades. Such upgrades shall include, but are not limited to, transmission, substations, and other equipment used to deliver electricity.

The Customer or Applicant will be allowed to use incremental Revenue Credit to determine whether a Refundable Advance is required.

An existing Customer or Applicant that requests facility additions or modifications including any voltage or phase upgrade to accommodate additional load or change in electrical equipment will be subject to incremental Revenue Credits.
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

ENLARGEMENT OF COMPANY FACILITIES (continued)

Cost of the Enlargement

The Company shall provide upgrades of the Company's existing Distribution System at no charge to the Customer or Applicant if the estimated Construction Costs to provide the upgrade is less than or equal to the incremental Revenue Credit based on the increase in load by the Customer causing the upgrade of the Company’s existing facilities.

Replacement of the Service Line will be handled as a new service in accordance with the provisions of “Expansion of Electric Distribution System” section of this Tariff.

The Customer or Applicant will be required to make a Refundable Advance for any estimated Construction Costs that are greater than the incremental Revenue Credit resulting from the Customer's additional load.
SECTION 5 - EXISTING SYSTEM MODIFICATIONS
Applicable to All Rates and Riders

WORK FOR CUSTOMER BENEFIT

Work Outside Normal Hours
Any additional costs incurred by the Company for the Customer’s convenience will be charged to the Customer. Such costs may include, but are not limited to, overtime charges, callout charges, and expediting charges.

Work on Customer-Owned Facilities
The Customer may, by agreement with the Company, engage the Company to construct, maintain, or remove electric facilities owned by the Customer. The Company shall charge the Customer for all such work done on the Customer's Premises at market-based rates which fully compensate the Company for its labor, equipment and overhead.
SECTION 6 - MISCELLANEOUS FEES AND CHARGES
Applicable to All Rates and Riders

LATE PAYMENT CHARGES
- Customers will be charged one and one-half percent (1.5%) per month on unpaid balances.
- Upon establishment of a Payment Agreement, late payment charges will no longer be charged on the Payment Agreement amount, so long as the monthly bills are paid timely.
- One (1) late payment charge will be waived each year.

RETURNED PAYMENTS
- Customers will be charged $15 for returned or dishonored payments.

METER TESTS
- A $25 charge or the actual cost of the test, whichever is less, may be assessed in accordance with Section 20.6(5) of the Iowa Administrative Code.

REFEREE TEST
- A request for a referee test must be made in writing to the Board and must be accompanied by a deposit ($30 check or money order). The check or money order must be made payable to the Company. The deposit will be forwarded by the Board to the Company.

EXTENSIVE CUSTOMER RESEARCH
- A request for more extensive research, special handling, special bill preparation, or billing delivery methods other than delivery via standard electronic delivery or through the United States Postal Service (USPS), may require reimbursement to the Company for time and materials associated with such requests.
SECTION 6 - MISCELLANEOUS FEES AND CHARGES
Applicable to All Rates and Riders

TURN ON SERVICE – CUSTOMER REQUESTED
- Electric service will be turned on without charge during regular working hours.
- After regular working hours, the Customer will be charged time and materials plus applicable taxes.

TURN OFF SERVICE - CUSTOMER REQUESTED
- Electric service will be turned off without charge during regular working hours.
- After regular working hours, the Customer will be charged time and materials plus applicable taxes.

RECONNECTION CHARGE – AFTER DISCONNECTION
- If service has been disconnected at the meter because of non-payment of the bill or for a violation of Company rules, the Customer shall pay for time and materials plus applicable taxes for reconnection at the meter.
- Customers may be liable for additional costs incurred in disconnecting and reconnecting service other than at the meter.

FEES FOR COMBINATION CUSTOMERS
Combination Customers who take both gas and electric service from MidAmerican Energy Company and:
- Request both gas and electric service be turned on/off on the same day will be charged the lesser of the gas or electric fee for turning service on/off.
- Request both gas and electric reconnected on the same day will be charged the lesser of the gas or electric reconnection fee.
SECTION 6 - MISCELLANEOUS FEES AND CHARGES
Applicable to All Rates and Riders

TIME AND MATERIALS FEE
The time and materials fee will be reviewed annually and adjusted as needed based on actual costs.

CURRENT TIME AND MATERIALS FEE
As of July 31, 2014, the time and materials fees are as follows:

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<thead>
<tr>
<th>Customer Requested – Same-day Turn On/Off:</th>
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<td>After-hours</td>
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<tr>
<td>Weekend/Holiday</td>
<td>$128.00</td>
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</table>
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

APPLICABILITY

This section applies to Qualifying Facilities (QF), qualifying facilities and Alternate Energy Production (AEP) facilities, Net Billing (NB) facilities, and Private Generation (PG Pilot and IO) facilities collectively termed distributed generation facilities herein, seeking to operate in parallel with the Company, provided the facilities are not subject to the interconnection requirements of the Federal Energy Regulatory Commission (FERC) or the Midcontinent Independent System Operator, Inc. (MISO).

DEFINITIONS

Terms defined in 199 IAC Chapter 45 (199-45) shall have the same meaning for the purposes of this section as they have in 199-45.

TECHNICAL STANDARDS

The interconnection of distributed generation facilities and associated interconnection equipment to the Company's electric distribution system shall meet the applicable provisions of the publications listed in 199-45.3 and listed below:

- IEC/TR3 61000-3-7 - Assessment of emission limits for fluctuating loads in MV and HV power systems or latest edition adopted by the Iowa Utilities Board.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

REQUIREMENT FOR ISOLATION DEVICES

The Company may require the distributed generation facility to have the capability to be isolated from the Company’s electric distribution system. The Company, at its sole discretion, shall specify either:

- A lockable, visible-break AC isolation device accessible by the Company.
- A lockable AC isolation device whose status is indicated and is accessible by the Company.

RESPONSIBILITY FOR ISOLATION DEVICES

Any isolation device required by shall satisfy all of the following:

- Installed, owned, and maintained by the owner of the distributed generation facility.
- Located electrically on the AC system between the distributed generation facility and the point of interconnection.
- Located such that it does not interfere with the Company’s present or proposed distribution system.

ACCESS TO ISOLATION DEVICES

The Company and the interconnection customer shall have access to the isolation device at all times. The interconnection customer shall permit the Company to affix a placard in a location of the Company’s choosing that provides instructions to the Company operating personnel for accessing the isolation device.

OVERCURRENT DEVICES

The interconnection shall include overcurrent devices on the facility to automatically disconnect the facility at all currents that exceed the full-load current rating of the facility.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

DISCONNECTION AND RECONNECTION AFTER UTILITY SUPPLY DISTURBANCE

Distributed generation facilities must be equipped with automatic disconnection upon loss of electric utility-supplied voltage.

Following disconnection due to a disturbance, the distributed generation facility shall include a delay prior to reconnection after the utility supply steady-state voltage and frequency are restored to levels identified in IEEE 1547 (2018 or latest edition adopted by the Iowa Utilities Board). This delay shall be a fixed five (5) minute delay, or an adjustable delay of up to five (5) minutes.

SYNCHRONISM-CHECK DEVICES

Facilities that produce a terminal voltage prior to the closure of the interconnection shall be provided with synchronism-check devices to prevent closure of the interconnection under conditions other than a reasonable degree of synchronization between the voltages on each side of the interconnection switch.

INSPECTION OF INTERCONNECTION EQUIPMENT

The operator of the distributed generation facility shall adopt a program of inspection of the generator and its appurtenances and the interconnection facilities in order to determine necessity for replacement and repair. Representatives of the Company shall have access at all reasonable hours to the interconnection equipment for inspection and testing.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

LAB-CERTIFIED EQUIPMENT

An interconnection request may be eligible for expedited interconnection review under 199-45.8 (476), 199-45.9 (476), or 199-45.10 (476) if the distributed generation facility uses interconnection equipment that is lab-certified.

- Successfully tested in accordance with IEEE Standard 1547.1 (2018 or latest edition adopted by the Iowa Utilities Board) or complies with UL Standard 1741, as demonstrated by any nationally recognized testing laboratory (NRTL) recognized by OSHA to test and certify interconnection equipment.
- Interconnection equipment is labeled and publicly listed by the NRTL at the time of the interconnection application.
- Applicant’s proposed use of the interconnection equipment falls within the use or uses for which the interconnection equipment was labeled and listed by the NRTL.
- Generator, other electric sources, and interface components being utilized are compatible with the interconnection equipment and are consistent with the testing and listing specified by the NRTL for this type of interconnection equipment.

EVALUATIONS AND TESTS FOR LAB-CERTIFIED EQUIPMENT

While lab-certified interconnection equipment shall not require further design testing, product testing, or additional interconnection equipment modification to meet the requirements for expedited review, the Company reserves the right to require interconnection installation evaluation, commissioning tests, witness tests, and/or periodic testing as specified by IEEE Standard 1547 (2018 or latest edition adopted by the Iowa Utilities Board), Section 11.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

POINT(S) OF INTERCONNECTION

Multiple energy production devices at a site for which:

- The Applicant rejects a single point of interconnection shall be
  - Evaluated on the basis of separate points of interconnection for each distributed generation facility.
  - Applicant shall pay any additional cost to provide separate points of interconnection.
- The Company rejects, without technical explanation, the Applicant’s proposal for a single point of interconnection.

The Company shall pay any additional cost to provide separate points of interconnection for each distributed generation facility.

EMERGENCY DISCONNECTION WITH PRIOR NOTICE

In the event the Company or its customers experience problems of a type that could be caused by the presence of alternating current or voltages with frequency higher than 60 Hertz, the Company shall be permitted to open and lock the interconnection switch pending a complete investigation of the problem.

EMERGENCY DISCONNECTION WITHOUT PRIOR NOTICE

Where the Company believes the condition creates a hazard to the public or to property, the disconnection may be made without prior notice. The Company shall notify the operator of the distributed generation facility by written notice and, where possible, verbal notice as soon as practicable after the disconnection.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

LIABILITY FOR DAMAGES

If the Company needs to isolate the distributed generation facility, the Company shall not be held liable for any damages resulting from the actions necessary to isolate the generating facility.

WITNESS TEST PROCEDURES

The Company may require a witness test after the distributed generation facility is constructed. The Applicant shall:

- Provide the Company with at least 15 business days’ notice of the planned commissioning test for the distributed generation facility.
- Schedule the witness test at a time that is mutually agreeable to the Applicant and the Company.

WITNESS TEST PERFORMED BY OTHERS

In the event the Company, or its representatives, does not witness a commissioning test, the Applicant remains obligated to satisfy the interconnection test specifications and requirements of IEEE Standard 1547 (2018 or latest edition adopted by the Iowa Utilities Board), Section 11.

The Applicant shall provide a copy of all documentation in its possession regarding the testing conducted pursuant to IEEE Standard 1547.1 (2018 or latest edition adopted by the Iowa Utilities Board) if requested by the Company.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

UNACCEPTABLE WITNESS TEST RESULTS

The Applicant shall be granted 30 business days to address and resolve any deficiencies identified in the witness test.

The time period for addressing and resolving any deficiencies may be extended upon mutual agreement of the Applicant and the Company.

- The Company shall not deny any Applicant’s initial request for an extension.
- The Company may deny any subsequent requests for an extension.

Failure to resolve all identified deficiencies to the Company’s satisfaction shall deem the interconnection request as withdrawn.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

METERING

Metering requirements shall be identified in the Standard Distributed Generation Interconnection Agreement executed between the interconnection customer and the Company and shall be consistent with the Company’s metering rules filed with the Board under 199-20.2(5) and inspection and testing practices adapted under 199-20.6.

MONITORING AND CONTROL REQUIREMENTS

The Company may require monitoring and control of distributed generation facilities when the nameplate capacity rating is greater than one (1) MVA. Requirements shall be reasonable and consistent with the Company’s published requirements and clearly identified in the interconnection agreement between the interconnection customer and the Company.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

MULTIPLE ENERGY PRODUCTION DEVICES

Multiple energy production devices at a site for which the Applicant seeks a single point of interconnection shall be evaluated on the basis of the aggregate nameplate capacity of the multiple devices.

INCREASE IN CAPACITY

When an interconnection request is for an increase in capacity for an existing distributed generation facility, the interconnection request shall be evaluated on the basis of the new total nameplate capacity of the distributed generation facility.

MODIFICATIONS TO COMPLETED REQUESTS

When an interconnection request is deemed complete by the Company, any modification that is not agreed to by the Company requires submission of a new interconnection request and application fee.

SITE CONTROL

When an Applicant is not currently a customer of the Company at the proposed site, the Applicant shall provide, upon request, proof of the Applicant's legal right to control the site, evidenced by the Applicant's name on a property tax bill, deed, lease agreement or other legally binding contract.

DISPUTES

The Company shall attempt to resolve all disputes regarding interconnection promptly and in a good-faith manner and in accordance with 199-45.12.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

REQUIREMENTS FOR LEVEL 1 REVIEW

Level 1 expedited review procedure as outlined in 199-45.8 is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 1 application with an application fee.
- The distributed generation facility has a nameplate capacity rating of 20 kVA or less.
- The distributed generation facility is inverter-based.
- The customer interconnection equipment proposed for the distributed generation facility is lab-certified.
- No construction of facilities by the Company shall be required to accommodate the distributed generation facility.

REQUIREMENTS FOR LEVEL 2 REVIEW

Level 2 expedited review procedure as outlined in 199-45.9 is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 2 application with an application fee.
- The distributed generation facility has a nameplate capacity rating of 2 MVA or less.
- The customer interconnection equipment proposed for the distributed generation facility is lab-certified.
- The proposed interconnection is to a radial distribution circuit or a spot network limited to serving one customer.
- No construction of facilities by the Company shall be required other than minor modifications to accommodate the distributed generation facility.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

GENERAL REQUIREMENTS FOR LEVEL 3 REVIEW

Level 3 review procedures as outlined in 199-45.10 shall be used for evaluating interconnection requests where power will not be exported.

REQUIREMENTS FOR LEVEL 3 - LOAD SIDE OF AN AREA NETWORK

Level 3 expedited review procedure for the load side of an area network is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 3 application with an application fee.
- The distributed generation facility has a nameplate capacity rating of 50 kVA or less.
- The customer interconnection equipment proposed for the distributed generation facility is lab-certified inverter-based.
- The distributed generation facility will use reverse power relays or other protection functions.
- The aggregate of all generation on the area network does not exceed the lower of either:
  - Five (5) percent of an area network’s maximum load.
  - 50 kVA.
- No construction of facilities by the Company shall be required to accommodate the distributed generation facility.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

REQUIREMENTS FOR LEVEL 3 - RADIAL DISTRIBUTION CIRCUIT

Level 3 expedited review procedure for a radial distribution circuit is applicable when each of the following requirements are satisfied:

- The Applicant has filed a Level 3 application with an application fee.
- The aggregated total of nameplate capacity ratings of all generators on the circuit, including the proposed distributed generation facility is 10 MVA or less.
- The distributed generation facility will use reverse power relays or other protection functions.
- The distributed generation facility is not served by a shared transformer.
- No construction of facilities by the Company shall be required to accommodate the distributed generation facility.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

REQUIREMENTS FOR LEVEL 4 REVIEW

Level 4 review procedure is applicable as outlined in 199-45.11 when each of the following requirements are satisfied:

- The Applicant has filed a Level 4 application with an application fee.
- The distributed generation facility has a nameplate capacity rating of 10 MVA or less.
- Not all of the interconnection equipment or distributed generation facilities being used for the application is lab-certified.

REQUIREMENTS FOR NAMEPLATE GENERATION OVER 10 MVA

If the nameplate capacity of the facility is greater than 10 MVA, the interconnection customer and the Company shall start with a Level 4 review process and standard agreements in Appendices D through G, modified as needed by mutual agreement.

SYSTEM IMPACTS

The Company shall evaluate the potential for adverse system impacts using the screens outlined in 199-45.8(1), 199-45.9(1), 199-45.10(1)e, 199-45.10(1)f, 199-45.11(4) through 199-45.11(7).

REJECTION LEVEL REVIEW

If a distributed generation facility is not approved under a review level, the Company shall provide the Applicant with written notification explaining the reasons for denying the interconnection request.

The Applicant may submit a new interconnection request, including the appropriate application fee, for consideration under a higher level review procedure.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

RESUBMITTED INTERCONNECTION REQUESTS

For denied interconnection requests originally submitted under Level 2 or Level 3, assigned a review order under the original interconnection request, and a new interconnection request is made within 15 business days after original notification is denied, such requests shall retain the position assigned to the original interconnection request.

For a rejected interconnection request under a Level 4 review, the Applicant may submit a new interconnection request under the Level 4 review procedures. The new interconnection request does not retain its position in the review order.

WITHDRAWAL OF INTERCONNECTION REQUESTS

The interconnection request shall be considered withdrawn when:

- Requested by the Applicant in writing.
- If additional information requested by the Company for a complete interconnection request is not provided by the Applicant within ten business days of the request.
- If the Applicant fails to sign and return the interconnection agreement to the Company and does not request an extension in writing:
  - For Level 1 and Level 4: within 30 business days of the issuance of the agreement.
  - For Level 2 and Level 3: within 35 business days of the issuance of the agreement.
- The Applicant fails to resolve all deficiencies identified in the witness test within 30 business days and does not request an extension.
SECTION 7 - ELECTRIC INTERCONNECTION OF DISTRIBUTED GENERATION FACILITIES

RECORDS

The Company shall maintain records of the following for a minimum of three years:

- Total nameplate capacity and fuel type of the distributed generation facility.
- Level of review received.
- Whether the interconnection was approved or denied.

REPORTS TO THE BOARD

Beginning May 1, 2011, and each year thereafter, the Company shall file a nonconfidential annual report detailing the information listed in subsection “Records,” above, for the previous calendar year.

APPLICANT-REQUESTED STUDIES

Applicants may request and the Company shall provide copies of any studies performed in analyzing the Applicant’s interconnection request.

An Applicant may request information regarding prior interconnection requests of other applicants and the Company, at its sole discretion, may provide such studies.
SECTION 8 – FORMS AND AGREEMENTS

STANDARD BILL FORM

MIDAMERICAN ENERGY COMPANY

Date Billed: 10/30/18
Account Number: 01234-56789

Total Amount Due by 11/21/18 $69.26

A late payment charge of $1.04 will be assessed if payment is received after 11/21/18.

Current Charges Summary

<table>
<thead>
<tr>
<th>Last Bill</th>
<th>Payments and Credits</th>
<th>New Charges</th>
</tr>
</thead>
<tbody>
<tr>
<td>$93.64</td>
<td>$93.64</td>
<td>$69.26</td>
</tr>
</tbody>
</table>

Payments and Credits Applied to Your Account

10/15/18 Check $93.64

New Charges This Month

Electric Charges $23.02
Gas Charges $40.24

See details about this bill on Page 3

You Used

Electric Usage

<table>
<thead>
<tr>
<th>Last Year</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td>$1.12</td>
<td>$1.00</td>
</tr>
</tbody>
</table>

Gas Usage

<table>
<thead>
<tr>
<th>Last Year</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>$1.42</td>
<td>$1.30</td>
</tr>
</tbody>
</table>

Account Number: 01234-56789

Total Amount Due by 11/21/18 $69.26

For online bill payment log in to My Account at MIDAMERICANEnergy.com

Issued: November 28, 2018
Effective: December 31, 2018

Issued by: Rob Berntsen
Senior V.P. & General Counsel
SECTION 8 – FORMS AND AGREEMENTS

STANDARD BILL FORM (continued)

Were you unable to resolve a dispute with MidAmerican Energy? If you have a complaint that is unresolved, you may request assistance from the Iowa Utilities Board by calling 515-725-7321 or the toll-free number, 877-565-4450, writing to 1375 E. Court Ave, Des Moines Iowa 50319-0060, or sending an email to customer@iub.iowa.gov. You may view tariff and rate schedule information on our website at MidAmericanEnergy.com or at any of our customer office locations.

To make a payment online, please visit MidAmericanEnergy.com
To make a phone payment, please call 1-888-627-5612
To find the payment or office closest to you, please visit MidAmericanEnergy.com/payment-options.aspx
To make a payment by mail, send to MidAmerican Energy Company P.O. Box 8029 Davenport, IA 52808-0029
SECTION 8 – FORMS AND AGREEMENTS

STANDARD BILL FORM (continued)

Electric Charges Detail
Meter No: S12345678

Date Billed: 10/30/18
Account Number: 01234-5678

Rate: RS Residential Winter
Supply and Delivery

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Service Charge</td>
<td>$8.50</td>
</tr>
<tr>
<td>Energy Charge</td>
<td>$20.11</td>
</tr>
<tr>
<td>Energy Efficiency Charge</td>
<td>$1.50</td>
</tr>
<tr>
<td>Kate Equalization Factor</td>
<td>$5.62</td>
</tr>
<tr>
<td>Energy Adjustment Clause</td>
<td>$0.00</td>
</tr>
<tr>
<td>Transmission Cost Adjustment</td>
<td>$8.91</td>
</tr>
<tr>
<td>Income Tax Adjustment</td>
<td>$0.00</td>
</tr>
<tr>
<td>Total</td>
<td>$28.73</td>
</tr>
</tbody>
</table>

Gas Charges Detail
Meter No: AE1234567

Date Billed: 10/30/18
Account Number: 01234-5678

Rate: SVF Residential
Supply

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pipeline Transport Charge</td>
<td>$4.25</td>
</tr>
<tr>
<td>Gas Supply Charge</td>
<td>$10.24</td>
</tr>
<tr>
<td>Delivery</td>
<td>$22.35</td>
</tr>
<tr>
<td>Basic Service Charge</td>
<td>$10.60</td>
</tr>
<tr>
<td>Capital Investment Charge</td>
<td>$1.60</td>
</tr>
<tr>
<td>Delivery Charge</td>
<td>$8.82</td>
</tr>
<tr>
<td>Energy Efficiency Charge</td>
<td>$2.37</td>
</tr>
<tr>
<td>Income Tax Adjustment</td>
<td>$0.84</td>
</tr>
<tr>
<td>Taxes and Fees</td>
<td>$0.40</td>
</tr>
<tr>
<td>Total</td>
<td>$40.24</td>
</tr>
</tbody>
</table>

Total Amount Due by 11/21/18 $69.26

A late payment charge of $1.04 will be assessed if payment is received after 11/21/18.
SECTION 8 – FORMS AND AGREEMENTS

LEVEL 1: STANDARD APPLICATION FORM AND INTERCONNECTION AGREEMENT

Interconnection Request Application Form and Conditional Agreement to Interconnect
(For Lab-Certified Inverter-Based Distributed Generation Facilities 10 kVA or Smaller)

An application fee of $50.00 must be submitted with the application.

Interconnection Applicant Contact Information

Name: ____________________________________________
Mailing Address: ____________________________________________________________
City: __________________________ State: __________ Zip Code: _____
Telephone (Daytime): _____________ (Evening): ________________________________
Facsimile Number: _______________ E-Mail Address: ____________________________

Alternate Contact Information (if different from Applicant)

Name: ____________________________________________
Mailing Address: ____________________________________________________________
City: __________________________ State: __________ Zip Code: _____
Telephone (Daytime): _____________ (Evening): ________________________________
Facsimile Number: _______________ E-Mail Address: ____________________________

Equipment Contractor

Name: ____________________________________________
Mailing Address: ____________________________________________________________
City: __________________________ State: __________ Zip Code: _____
Telephone (Daytime): _____________ (Evening): ________________________________
Facsimile Number: _______________ E-Mail Address: ____________________________
License number (if applicable): ______________________________________________
Active License? (if applicable) Yes ___ No ___

Issued: August 6, 2014  Effective: July 31, 2014
Issued by: Naomi G. Czachura  Vice President
SECTION 8 – FORMS AND AGREEMENTS

LEVEL 1: STANDARD APPLICATION FORM AND INTERCONNECTION AGREEMENT (continued)

Electrical Contractor (if Different from Equipment Contractor):

Name: __________________________________________________________

Mailing Address: ___________________________________________________

City: __________________________ State: __________________________ Zip Code: ______

Telephone (Daytime): ________________ (Evening): ______________________

Facsimile Number: ________________ E-Mail Address: ______________________

License number: __________________________________________________

Active License? Yes ___ No ___

Is the Interconnection Customer requesting Net Metering in accordance with Iowa Utilities Board rule 199 IAC 15.11(5) and MidAmerican’s net metering or net billing tariff?

Yes ___ No ___

Intent of Generation

___ Net Metering (Unit will operate in parallel and will export power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.11(5) and MidAmerican’s net metering or net billing tariff)

___ Self-Use and Sales to the Utility (Unit will operate in parallel and may export and sell excess power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.5 and MidAmerican’s tariff)

___ Other (Please explain): __________________________________________

_____________________________________________________________

_____________________________________________________________

_____________________________________________________________

Issued: August 6, 2014 Effective: July 31, 2014
Issued by: Naomi G. Czachura
Vice President
SECTION 8 – FORMS AND AGREEMENTS

LEVEL 1: STANDARD APPLICATION FORM AND INTERCONNECTION AGREEMENT (continued)

Distributed Generation Facility (“Facility”) Information

Facility Address: ___________________________________________________________
City: ___________________ State: _____________ Zip Code: _____________
Utility serving Facility site: ________________________________________________
Account Number of Facility site (existing utility customers): _______________________
Inverter Manufacturer: __________________________ Model: ______________________

Is the inverter lab-certified as that term is defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation (199 IAC 45.1)?
Yes ___  No ___
(If yes, attach manufacturer’s technical specifications and label information from a nationally recognized testing laboratory.)

Generation Facility Nameplate Rating: _______ (kW) _______ (kVA) _______ (AC Volts)

Energy Source:  Wind ____  Solar ____  Biomass ____  Hydro ____  Diesel ____
Natural Gas ___  Fuel Oil ___  Other: ____________________________

Energy Converter Type:  Wind Turbine ____  Photovoltaic Cell ____  Fuel Cell ____
Reciprocating Engine ____  Other: ____________________________

Commissioning Test Date: __________________
(If the Commissioning Test Date changes, the interconnection customer must inform MidAmerican as soon as it aware of the changed date.)
SECTION 8 – FORMS AND AGREEMENTS

LEVEL 1: STANDARD APPLICATION FORM AND INTERCONNECTION AGREEMENT (continued)

Insurance Disclosure

The attached terms and conditions contain provisions related to liability and indemnification and should be carefully considered by the interconnection customer. The interconnection customer shall carry general liability insurance coverage, such as, but not limited to, homeowner's insurance.
SECTION 8 – FORMS AND AGREEMENTS

LEVEL 1: STANDARD APPLICATION FORM AND INTERCONNECTION AGREEMENT (continued)

Other Facility Information

One Line Diagram – A basic drawing of an electric circuit in which one or more conductors are represented by a single line and each electrical device and major component of the installation, from the generator to the point of interconnection, are noted by symbols.

One Line Diagram attached: ___ Yes

Plot Plan – A map showing the distributed generation facility’s location in relation to streets, alleys, or other geographic markers.

Plot Plan attached: ___ Yes

Customer Signature

I hereby certify that: (1) I have read and understand the terms and conditions, which are attached hereto by reference; (2) I hereby agree to comply with the attached terms and conditions; and (3) to the best of my knowledge, all of the information provided in this application request form is complete and true.

Applicant Signature: ____________________________________ Date: ____________

……………………………………………………………………………………………………………………

This Application Form and Interconnection Agreement is comprised of: 1) the Level 1 Standard Application Form and Interconnection Agreement; 2) the Attachment of Terms and Conditions for Interconnection; and 3) the Certificate of Completion.

NOTE: If the Certificate of Completion is not completed and returned to MidAmerican within 12 months following MidAmerican’s dated conditional agreement to interconnect below, this Application Form and Interconnection Agreement will automatically terminate and be of no further force and effect.
LEVEL 1: STANDARD APPLICATION FORM AND INTERCONNECTION AGREEMENT (continued)

Conditional Agreement to Interconnect Distributed Generation Facility

Receipt of the application fee is acknowledged and, by its signature below, MidAmerican has determined the interconnection request is complete. Interconnection of the distributed generation facility is conditionally approved contingent upon the attached terms and conditions of this Agreement, the return of the attached Certificate of Completion, duly executed verification of electrical inspection and successful witness test.

MidAmerican Signature: __________________________ Date: ______________
Name: ___________________________ Title: ___________________________
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT – LEVEL 1: STANDARD INTERCONNECTION AGREEMENT

Terms and Conditions for Interconnection

1. **Construction of the Distributed Generation Facility.** The interconnection customer may proceed to construct (including operational testing not to exceed 2 hours) the distributed generation facility, once the conditional Agreement to interconnect a distributed generation facility has been signed by MidAmerican.

2. **Final Interconnection and Operation.** The interconnection customer may operate the distributed generation facility and interconnect with MidAmerican's electric distribution system after all of the following have occurred:
   a. **Electrical Inspection:** Upon completing construction, the interconnection customer shall cause the distributed generation facility to be inspected by the local electrical inspection authority, who shall establish that the distributed generation facility meets local code requirements.
   b. **Certificate of Completion:** The interconnection customer shall provide MidAmerican with a copy of the Certificate of Completion with all relevant and necessary information fully completed by the interconnection customer, as well as an inspection form from the local electrical inspection authority demonstrating that the distributed generation facility passed inspection.
   c. **MidAmerican has completed its witness test as per the following:**
      i. The interconnection customer shall provide MidAmerican at least 15 business days notice of the planned commissioning test for the distributed generation facility. Within 10 business days after the commissioning test, MidAmerican may, upon reasonable notice and at a mutually convenient time, conduct a witness test of the distributed generation facility to ensure that all equipment has been appropriately installed and operating as designed and in accordance with the requirements of IEEE 1547 (2003 or latest edition adopted by the Iowa Utilities Board).
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT – LEVEL 1: STANDARD INTERCONNECTION AGREEMENT
(continued)

ii. If MidAmerican does not perform the witness test within the 10 business days after the commissioning test or such other time as is mutually agreed to by the Parties, the witness test is deemed waived, unless MidAmerican cannot do so for good cause. In these cases, upon MidAmerican request, the interconnection customer shall agree to another date for the test within 10 business days after the original scheduled date.

3. **IEEE 1547.** The distributed generation facility shall be installed, operated and tested in accordance with the requirements of The Institute of Electrical and Electronics Engineers, Inc. (IEEE), 3 Park Avenue New York, NY 10016-5997, Standard 1547 (2003 or latest edition adopted by the Iowa Utilities Board) "Standard for Interconnecting Distributed Resources with Electric Power Systems," as well as any applicable federal, state, or local laws, regulations, codes, ordinances, orders, or similar directives of any government or other authority having jurisdiction.

4. **Access.** MidAmerican must have access to the isolation device or disconnect switch and metering equipment of the distributed generation facility at all times. When practical, MidAmerican shall provide notice to the customer prior to using its right of access.

5. **Metering.** Any required metering shall be installed pursuant to MidAmerican’s metering rules filed with the Iowa Utilities Board under subrule 199 IAC 20.2(5).

6. **Disconnection.** MidAmerican may disconnect the distributed generation facility upon any of the following conditions, but must reconnect the distributed generation facility once the condition is cured:
   a. For scheduled outages, provided that the distributed generation facility is treated in the same manner as MidAmerican’s load customers;
   b. For unscheduled outages or emergency conditions;
   c. If the distributed generation facility does not operate in a manner consistent with this Agreement or the applicable requirements of 199 IAC Chapters 15 or 45;
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT – LEVEL 1: STANDARD INTERCONNECTION AGREEMENT
(continued)

d. Improper installation or failure to pass the witness test;
e. If the distributed generation facility is creating a safety, reliability, or power quality problem;
f. The interconnection equipment used by the distributed generation facility is de-listed by the Nationally Recognized Testing Laboratory that provided the listing at the time the interconnection was approved;
g. Unauthorized modification of the interconnection facilities or the distributed generation facility; or
h. Unauthorized connection to MidAmerican’s electric system.

7. **Indemnification.** The interconnection customer shall indemnify and defend MidAmerican and MidAmerican’s directors, officers, employees, and agents from all claims, damages and expenses, including reasonable attorney’s fees, to the extent resulting from the interconnection customer’s negligent installation, operation, modification, maintenance, or removal of its distributed generation facility or interconnection facilities, or the interconnection customer’s willful misconduct or breach of this Agreement. MidAmerican shall indemnify and defend the interconnection customer and the interconnection customer’s directors, officers, employees, and agents from all claims, damages, and expenses, including reasonable attorney’s fees, to the extent resulting from MidAmerican’s negligent installation, operation, modification, maintenance, or removal of its interconnection facilities or electric distribution system, or MidAmerican’s willful misconduct or breach of this Agreement.

8. **Insurance.** The interconnection customer shall provide MidAmerican with proof that it has a current homeowner’s insurance policy or other general liability policy.
ATTACHMENT – LEVEL 1: STANDARD INTERCONNECTION AGREEMENT
(continued)

9. **Limitation of Liability.** Each Party’s liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney’s fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, incidental, special, consequential, or punitive damages of any kind whatsoever, provided that in no event shall death, bodily injury or third party claims be construed as indirect or consequential damages.

10. **Termination.** This Agreement will remain in effect until terminated and may be terminated under the following conditions:
   a. By interconnection customer - The interconnection customer may terminate this interconnection agreement by providing written notice to MidAmerican. If the interconnection customer ceases operation of the distributed generation facility, the interconnection customer must notify MidAmerican.
   b. By MidAmerican - MidAmerican may terminate this Agreement without liability to the interconnection customer if the interconnection customer fails to remedy a violation of terms of this Agreement within 30 calendar days after notice, or such other date as may be mutually agreed to in writing prior to the expiration of the 30 calendar day remedy period. The termination date may be no less than 30 calendar days after the interconnection customer receives notice of its violation from MidAmerican.

11. **Modification of Distributed Generation Facility.** The interconnection customer must receive written authorization from MidAmerican before making any changes to the distributed generation facility that could affect MidAmerican’s distribution system. If the interconnection customer makes such modifications without MidAmerican’s prior written authorization, MidAmerican shall have the right to disconnect the distributed generation facility.
ATTACHMENT – LEVEL 1: STANDARD INTERCONNECTION AGREEMENT
(continued)

12. **Permanent Disconnection.** In the event the Agreement is terminated, MidAmerican shall have the right to disconnect its facilities or direct the interconnection customer to disconnect its distributed generation facility.

13. **Disputes.** Each Party agrees to attempt to resolve all disputes regarding the provisions of this agreement that cannot be resolved between the two Parties pursuant to the dispute resolution provisions found in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.12).

14. **Governing Law, Regulatory Authority, and Rules.** The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the laws of the State of Iowa. Nothing in this Agreement is intended to affect any other agreement between MidAmerican and the interconnection customer.

15. **Survival Rights.** This Agreement shall remain in effect after termination to the extent necessary to allow or require either Party to fulfill rights or obligations that arose under the Agreement.

16. **Assignment/Transfer of Ownership of the Distributed Generation Facility.** This Agreement shall terminate upon the transfer of ownership of the distributed generation facility to a new owner unless the transferring owner assigns the Agreement to the new owner, the new owner agrees in writing to the terms of this agreement, and the transferring owner so notifies MidAmerican in writing prior to the transfer of ownership.

17. **Definitions.** Any term used herein and not defined shall have the same meaning as the defined terms used in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1).
ATTACHMENT – LEVEL 1: STANDARD INTERCONNECTION AGREEMENT

18. **Notice.** The Parties may mutually agree to provide notices, demands, comments, or requests by electronic means such as e-mail. Absent agreement to electronic communication, or unless otherwise provided in this Agreement, any written notice, demand, or request required or authorized in connection with this Agreement shall be deemed properly given when receipt is confirmed after notices are delivered in person, delivered by recognized national courier service, or sent by first class mail, postage prepaid, return receipt requested to the person specified below:

**If Notice is to Interconnection Customer:**

Use the contact information provided in the interconnection customer’s application. The interconnection customer is responsible for notifying MidAmerican of any change in the contact party information, including change of ownership.

**If Notice is to MidAmerican:**

Use the contact information provided below. MidAmerican is responsible for notifying the interconnection customer of any change in the contact party information.

Name: ____________________________________________________________
Mailing Address: ____________________________________________________
City: ________________ State: _________ Zip Code: ____________
Telephone (Daytime): ___________ (Evening): __________________________
Facsimile Number: ___________ E-Mail Address: ______________________

19. **Interruptions.** MidAmerican is not responsible for any lost opportunity or other costs incurred by the interconnection customer as a result of an interruption of service.
SECTION 8 – FORMS AND AGREEMENTS

CERTIFICATE OF COMPLETION

(To be completed and returned to MidAmerican when installation is complete and final electric inspector approval has been obtained – Use contact information provided on MidAmerican’s web page for generator interconnection to obtain mailing address/fax number/e-mail address)

Interconnection Customer Information

Name: __________________________________________________________
Mailing Address: ________________________________________________
City: ___________________________ State: ____________ Zip Code: _____
Telephone (Daytime): ___________ (Evening): ______________________
Facsimile Number: ______________ E-Mail Address: __________________

Installer: ________________________________ Check if owner-installed: ___

Name: _________________________________________________________
Mailing Address: ________________________________________________
City: ___________________________ State: ____________ Zip Code: _____
Telephone (Daytime): ___________ (Evening): ______________________
Facsimile Number: ______________ E-Mail Address: __________________
CERTIFICATE OF COMPLETION (continued)

Final Electric Inspection and Interconnection Customer Signature

The distributed generation facility is complete and has been approved by the local electric inspector having jurisdiction. A signed copy of the electric inspector's form indicating final approval is attached. The interconnection customer acknowledges that it shall not operate the distributed generation facility until receipt of the final acceptance and approval by MidAmerican as provided below.

Signed: _____________________________________________ Date: __________

(Signature of interconnection customer)

Printed Name: ________________________________________________

Check if copy of signed electric inspection form is attached: ___
Check if copy of as built documents is attached (projects larger than 10 kVA only): ___

Acceptance and Final Approval for Interconnection (for MidAmerican use only)

The interconnection agreement is approved and the distributed generation facility is approved for interconnected operation upon the signing and return of this Certificate of Completion by MidAmerican:

Electric Distribution Company waives Witness Test? (Initial) Yes (_____) No (______)

If not waived, date of successful Witness Test: ___________ Passed: (Initial) (______)

MidAmerican Signature: ______________________________________ Date: __________

Printed Name: ______________________________________ Title: ____________________

Issued: August 6, 2014

Issued by: Naomi G. Czachura

Vice President
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less)

Interconnection Customer Contact Information

Name: ____________________________
Mailing Address: ________________________________________________________________
City: ____________________________ State: ______________ Zip Code: __________
Telephone (Daytime): ____________ (Evening): ________________________________
Facsimile Number: _______________ E-Mail Address: ____________________________

Alternative Contact Information (if different from Customer Contact Information)

Name: ____________________________
Mailing Address: ________________________________________________________________
City: ____________________________ State: ______________ Zip Code: __________
Telephone (Daytime): ____________ (Evening): ________________________________
Facsimile Number: _______________ E-Mail Address: ____________________________

Facility Address (if different from above):
City: ____________________________ State: ______________ Zip Code: __________
Utility Serving Facility Site: ____________________________
Account Number of Facility Site (existing utility customers): ______________________
Inverter Manufacturer: ____________________________ Model: ______________________

Equipment Contractor

Name: ____________________________
Mailing Address: ________________________________________________________________
City: ____________________________ State: ______________ Zip Code: __________
Telephone (Daytime): ____________ (Evening): ________________________________
Facsimile Number: _______________ E-Mail Address: ____________________________

Issued: August 6, 2014 Effective: July 31, 2014
Issued by: Naomi G. Czachura Vice President
LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Electrical Contractor (if different from Equipment Contractor)

Name: ____________________________
Mailing Address: ______________________________
City: __________________ State: __________ Zip Code: ______
Telephone (Daytime): ________________ (Evening): _______________________
Facsimile Number: ____________________ E-Mail Address: __________________
License Number: ____________________________

Electric Service Information for Customer Facility where Generator will be Interconnected

Capacity: __________(Amps) Voltage: __________(Volts)
Type of Service: ___ Single Phase  ___ Three Phase

If 3 Phase Transformer, Indicate Type:
Primary Winding  ___ Wye  ___ Delta
Secondary Winding  ___ Wye  ___ Delta

Transformer Size: __________________________ Impedance: __________________

Issued: August 6, 2014  Effective: July 31, 2014
Issued by: Naomi G. Czachura  Vice President
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Intent of Generation

___ Offset Load (Unit will operate in parallel, but will not export power to MidAmerican)

___ Net Metering (Unit will operate in parallel and will export power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.11(5) and MidAmerican’s net metering or net billing tariff)

___ Self-Use and Sales to the Utility (Unit will operate in parallel and may export and sell excess power to MidAmerican pursuant to Iowa Utilities Board rule 199 IAC 15.5 and MidAmerican’s tariff)

___ Wholesale Market Transaction (Unit will operate in parallel and participate in MISO or other wholesale power markets pursuant to separate requirements and agreements with MISO or other transmission providers, and applicable rules of the Federal Energy Regulatory Commission)

___ Back-up Generation (Units that temporarily operate in parallel with the electric distribution system for more than 100 milliseconds)

Note: Backup units that do not operate in parallel for more than 100 milliseconds do not need an interconnection agreement.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Generator & Prime Mover Information

Energy Source (Hydro, Wind, Solar, Process Byproduct, Biomass, Oil, Natural Gas, Coal, etc.): ____________________________________________

Energy Converter Type (Wind Turbine, Photovoltaic Cell, Fuel Cell, Steam Turbine, etc.): ________________________________________________

Generator Size: _______ kW or _______ kVA     Number of Units: ________

Total Capacity: _______ kW or _______ kVA

Generator Type (Check one):
   ___ Induction   ___ Inverter   ___ Synchronous   ___ Other: ______________

Requested Procedure Under Which to Evaluate Interconnection Request

Please indicate below which review procedure applies to the interconnection request. The review procedure used is subject to confirmation by MidAmerican.

   ___ Level 2 – Lab-certified interconnection equipment with an aggregate electric nameplate capacity less than or equal to 2 MVA. Lab-certified is defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1). (Application fee is $100 plus $1.00 per kVA.)

   ___ Level 3 – Distributed generation facility does not export power. Nameplate capacity rating is less than or equal to 50 kVA if connecting to area network or less than or equal to 10 MVA if connecting to a radial distribution feeder. (Application fee amount is $500 plus $2.00 per kVA up to a maximum of $5000.)
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Level 4 – Nameplate capacity rating is less than or equal to 10 MVA and the distributed generation facility does not qualify for a Level 1, Level 2, or Level 3 review, or the distributed generation facility has been reviewed but not approved under a Level 1, Level 2, or Level 3 review. (Application fee amount is $1,000 plus $2.00 per kVA, to be applied toward any subsequent studies related to this application.)

Note: Descriptions for interconnection review categories do not list all criteria that must be satisfied. For a complete list of criteria, please refer to Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45).

Distributed Generation Facility Information:
Commissioning Test Date: ________________________________

List interconnection components/systems to be used in the distributed generation facility that are lab-certified.

<table>
<thead>
<tr>
<th>Component/System</th>
<th>NRTL Providing Label &amp; Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. _______________</td>
<td>______________________________</td>
</tr>
<tr>
<td>2. _______________</td>
<td>______________________________</td>
</tr>
<tr>
<td>3. _______________</td>
<td>______________________________</td>
</tr>
<tr>
<td>4. _______________</td>
<td>______________________________</td>
</tr>
<tr>
<td>5. _______________</td>
<td>______________________________</td>
</tr>
</tbody>
</table>

Please provide copies of manufacturer brochures or technical specifications.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Energy Production Equipment/Inverter Information:

___ Synchronous  ___ Induction  ___ Inverter  ___ Other: _________________________
Rating: __________ kW                   Rating: __________ kVA
Rated Voltage: _________________ Volts
Rated Current: _________________ Amps
System Type Tested (Total System): ___ Yes   ___ No; attach product literature

For Synchronous Machines:

Note: Contact MidAmerican to determine if all the information requested in this section is required for the proposed distributed generation facility.

Manufacturer: ____________________________________________
Model No.: ________________ Version No.: ____________________
Submit copies of the Saturation Curve and the Vee Curve
___ Salient   ___ Non-Salient
Torque: _____ lb-ft   Rated RPM: _______  Field Amperes: _______ at rated generator voltage and current and ________% PF over-excited
Type of Exciter: _____________________________________________
Output Power of Exciter: _____________________________________
Type of Voltage Regulator: ___________________________________
Locked Rotor Current: _______ Amps   Synchronous Speed: _____RPM
Winding Connection: _______  Min. Operating Freq./Time: __________
Generator Connection: ___ Delta ___ Wye ___ Wye Grounded
Direct-axis Synchronous Reactance: (Xd) _______ ohms
Direct-axis Transient Reactance: (X'd) _______ ohms
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Direct-axis Sub-transient Reactance: \((X''d)______\) ohms
Negative Sequence Reactance: \(____________\) ohms
Zero Sequence Reactance: \(____________\) ohms
Neutral Impedance or Grounding Resister (if any): \(____________\) ohms

For Induction Machines:

Note: Contact MidAmerican to determine if all the information requested in this section is required for the proposed distributed generation facility.

Manufacturer: _____________________________________________
Model No.: ________________ Version No.: ____________________
Locked Rotor Current: \(______\) Amps
Rotor Resistance (\(R_r\)): \(______\) ohms Exciting Current: \(______\) Amps
Rotor Reactance (\(X_r\)): \(______\) ohms Reactive Power Required: \(______\)
Magnetizing Reactance (\(X_m\)): \(______\) ohms \(____\)VARs (No Load)
Stator Resistance (\(R_s\)): \(______\) ohms \(____\)VARs (Full Load)
Stator Reactance (\(X_s\)): \(______\) ohms
Short Circuit Reactance (\(X''d\)): \(______\) ohms
Phases: ___ Single ___ Three-Phase

Reverse Power Relay Information (Level 3 Review Only):

Manufacturer: _____________________________________________
Relay Type: __________________ Model Number: ________________
Reverse Power Setting: __________________
Reverse Power Time Delay (if any): __________________

Issued: August 6, 2014 Effective: July 31, 2014
Issued by: Naomi G. Czachura
Vice President
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Additional Information For Inverter-Based Facilities:

Inverter Information:

Manufacturer: _____________________ Model: _____________________
Type: ___ Forced Commutated   ___ Line Commutated
Rated Output: _________ Watts   ________ Volts
Efficiency: ______ %   Power Factor: ______ %
Inverter UL1741 Listed:   ___ Yes   ___ No

DC Source / Prime Mover:

Rating: ________ kW   Rating: ________ kVA
Rated Voltage: ___________________ Volts
Open Circuit Voltage (if applicable): ___________________ Volts
Rated Current: ____________________Amps
Short Circuit Current (if applicable): ____________________Amps

Other Facility Information:

One Line Diagram – A basic drawing of an electric circuit in which one or more conductors are represented by a single line and each electrical device and major component of the installation, from the generator to the point of interconnection, are noted by symbols.

One Line Diagram attached: ___ Yes

Plot Plan – A map showing the distributed generation facility's location in relation to streets, alleys, or other geographic markers.

Plot Plan attached: ___ Yes
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION REQUEST APPLICATION FORM
(For Distributed Generator Facilities with a capacity of 10 MVA or less) (continued)

Customer Signature:

I hereby certify that all of the information provided in this Interconnection Request Application Form is true.

Applicant Signature: ____________________________ Date: ______________
Title: ____________________________

An application fee is required before the application can be processed. Please verify that the appropriate fee is included with the application:

Amount: ______________

MidAmerican Acknowledgement:

Receipt of the application fee is acknowledged and this interconnection request is complete.

MidAmerican Signature: ____________________________ Date: ______________
Printed Name: ____________________________ Title: ____________________________
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less)

This agreement ("Agreement") is made and entered into this ____ day of __________, by and between ____________________________ (“interconnection customer”), as an individual person, or as a __________________ organized and existing under the laws of the State of _______________, and MidAmerican Energy Company, ("MidAmerican"), a corporation existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a "Party," or collectively as the “Parties.”

Recitals:

Whereas, interconnection customer is proposing to install or direct the installation of a distributed generation facility, or is proposing a generating capacity addition to an existing distributed generation facility, consistent with the interconnection request application form completed by interconnection customer on _______________; and

Whereas, the interconnection customer will operate and maintain, or cause the operation and maintenance of, the distributed generation facility; and

Whereas, interconnection customer desires to interconnect the distributed generation facility with MidAmerican’s electric distribution system.

Now, therefore, in consideration of the premises and mutual covenants set forth in this Agreement, the Parties covenant and agree as follows:
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 1. Scope and Limitations of Agreement

1.1 This Agreement shall be used for all approved interconnection requests for distributed generation facilities that fall under Levels 2, 3, and 4 according to the procedures set forth in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45).

1.2 This Agreement governs the terms and conditions under which the distributed generation facility will interconnect to, and operate in parallel with, MidAmerican’s electric distribution system.

1.3 This Agreement does not constitute an agreement to purchase or deliver the interconnection customer’s power.

1.4 Nothing in this Agreement is intended to affect any other agreement between MidAmerican and the interconnection customer.

1.5 Terms used in this agreement are defined in Attachment 1 hereto or in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) unless otherwise noted.

1.6 Responsibilities of the Parties

1.6.1 The Parties shall perform all obligations of this Agreement in accordance with all applicable laws, regulations, codes, ordinances, orders, or similar directives of any government or other authority having jurisdiction.

1.6.2 MidAmerican shall construct, own, operate, and maintain its interconnection facilities in accordance with this Agreement.
LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 1. Scope and Limitations of Agreement (continued)

1.6.3 The interconnection customer shall construct, own, operate, and maintain its distributed generation facility and interconnection facilities in accordance with this Agreement.

1.6.4 Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for, the facilities that it now or subsequently may own unless otherwise specified in the attachments to this Agreement. Each Party shall be responsible for the safe installation, maintenance, repair, and condition of its respective lines and appurtenances on its respective sides of the point of interconnection.

1.6.5 The interconnection customer agrees to design, install, maintain, and operate its distributed generation facility so as to minimize the likelihood of causing an adverse system impact on the electric distribution system or any other electric system that is not owned or operated by MidAmerican.

1.7 Parallel Operation Obligations

Once the distributed generation facility has been authorized to commence parallel operation, the interconnection customer shall abide by all operating procedures established in IEEE Standard 1547 (2003 or latest edition adopted by the Iowa Utilities Board) and any other applicable laws, statutes or guidelines, including those specified in Attachment 4 of this Agreement.

1.8 Metering

The interconnection customer shall be responsible for the cost to purchase, install, operate, maintain, test, repair, and replace metering and data acquisition equipment specified in Attachments 5 and 6 of this Agreement.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 1. Scope and Limitations of Agreement (continued)

1.9 Reactive Power

1.9.1 Interconnection customers with a distributed generation facility larger than or equal to 1 MVA shall design their distributed generation facilities to maintain a power factor at the point of interconnection between 0.95 lagging and 0.95 leading at all times. Interconnection customers with a distributed generation facility smaller than 1 MVA shall design their distributed generation facility to maintain a power factor at the point of interconnection between 0.90 lagging and 0.90 leading at all times.

1.9.2 Any MidAmerican requirements for meeting a specific voltage or specific reactive power schedule as a condition for interconnection shall be clearly specified in Attachment 4. Under no circumstance shall MidAmerican’s additional requirements for voltage or reactive power schedules be outside of the agreed-upon operating parameters defined in Attachment 4.

1.9.3 If the interconnection customer does not operate the distributed generation facility within the power factor range specified in Attachment 4, or does not operate the distributed generation facility in accordance with a voltage or reactive power schedule specified in Attachment 4, the interconnection customer is in default, and the terms of Article 6.5 apply.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 1. Scope and Limitations of Agreement (continued)

1.10 Standards of Operations

The interconnection customer must obtain all certifications, permits, licenses, and approvals necessary to construct, operate, and maintain the facility and to perform its obligations under this Agreement. The interconnection customer is responsible for coordinating and synchronizing the distributed generation facility with MidAmerican’s system. The interconnection customer is responsible for any damage that is caused by the interconnection customer’s failure to coordinate or synchronize the distributed generation facility with the electric distribution system. The interconnection customer agrees to be primarily liable for any damages resulting from the continued operation of the distributed generation facility after MidAmerican ceases to energize the line section to which the distributed generation facility is connected. In Attachment 4, MidAmerican shall specify the shortest reclose time setting for its protection equipment that could affect the distributed generation facility. MidAmerican shall notify the interconnection customer at least 10 business days prior to adopting a faster reclose time on any automatic protective equipment, such as a circuit breaker or line recloser, that might affect the distributed generation facility.

Article 2. Inspection, Testing, Authorization, and Right of Access

2.1 Equipment Testing and Inspection

The interconnection customer shall test and inspect its distributed generation facility including the interconnection equipment prior to interconnection in accordance with IEEE Standard 1547 (2003 or latest edition adopted by the Iowa Utilities Board) and IEEE Standard 1547.1 (2005 or latest edition adopted by the Iowa Utilities Board). The interconnection customer shall not operate its distributed generation facility in parallel with MidAmerican’s electric distribution system without prior written authorization by MidAmerican as provided for in Articles 2.1.1-2.1.3.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 2. Inspection, Testing, Authorization, and Right of Access (continued)

2.1.1 MidAmerican shall perform a witness test after construction of the distributed generation facility is completed, but before parallel operation, unless MidAmerican specifically waives the witness test. The interconnection customer shall provide MidAmerican at least 15 business days notice of the planned commissioning test for the distributed generation facility. If MidAmerican performs a witness test at a time that is not concurrent with the commissioning test, it shall contact the interconnection customer to schedule the witness test at a mutually agreeable time within 10 business days after the scheduled commissioning test designated on the application. If MidAmerican does not perform the witness test within 10 business days after the commissioning test, the witness test is deemed waived unless the Parties mutually agree to extend the date for scheduling the witness test, or unless MidAmerican cannot do so for good cause, in which case, the Parties shall agree to another date for scheduling the test within 10 business days after the original scheduled date. If the witness test is not acceptable to MidAmerican, the interconnection customer has 30 business days to address and resolve any deficiencies. This time period may be extended upon agreement in writing between MidAmerican and the interconnection customer. If the interconnection customer fails to address and resolve the deficiencies to the satisfaction of MidAmerican, the applicable cure provisions of Article 6.5 shall apply. The interconnection customer shall, if requested by MidAmerican, provide a copy of all documentation in its possession regarding testing conducted pursuant to IEEE Standard 1547.1 (2005 or latest edition adopted by the Iowa Utilities Board).
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 2. Inspection, Testing, Authorization, and Right of Access (continued)

2.1.2 If the interconnection customer conducts interim testing of the distributed generation facility prior to the witness test, the interconnection customer shall obtain permission from MidAmerican before each occurrence of operating the distributed generation facility in parallel with the electric distribution system. MidAmerican may, at its own expense, send qualified personnel to the distributed generation facility to observe such interim testing, but it cannot mandate that these tests be considered in the final witness test. MidAmerican is not required to observe the interim testing or precluded from requiring the tests be repeated at the final witness test.

2.1.3 After the distributed generation facility passes the witness test, MidAmerican shall affix an authorized signature to the certificate of completion and return it to the interconnection customer approving the interconnection and authorizing parallel operation. The authorization shall not be conditioned or delayed.

2.2 Commercial Operation

The interconnection customer shall not operate the distributed generation facility, except for interim testing as provided in Article 2.1, until such time as the certificate of completion is signed by all Parties.

2.3 Right of Access

MidAmerican must have access to the isolation device or disconnect switch and metering equipment of the distributed generation facility at all times. When practical, MidAmerican shall provide notice to the customer prior to using its right of access.
LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 3. Effective Date, Term, Termination, and Disconnection

3.1 Effective Date

This Agreement shall become effective upon execution by all Parties.

3.2 Term of Agreement

This Agreement shall become effective on the effective date and shall remain in effect unless terminated in accordance with Article 3.3 of this Agreement.

3.3 Termination

3.3.1 The interconnection customer may terminate this Agreement at any time by giving MidAmerican 30 calendar days prior written notice.

3.3.2 Either Party may terminate this Agreement after default pursuant to Article 6.5.

3.3.3 MidAmerican may terminate, upon 60 calendar days' prior written notice, for failure of the interconnection customer to complete construction of the distributed generation facility within 12 months after the in-service date as specified by the Parties in Attachment 2, which may be extended by mutual written agreement between the Parties prior to the expiration of the 12-month period.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 3. Effective Date, Term, Termination, and Disconnection (continued)

3.3.4 MidAmerican may terminate this Agreement, upon 60 calendar days’ prior written notice, if the interconnection customer has abandoned, cancelled, permanently disconnected or stopped development, construction, or operation of the distributed generation facility, or if the interconnection customer fails to operate the distributed generation facility in parallel with MidAmerican’s electric system for three consecutive years.

3.3.5 Upon termination of this Agreement, the distributed generation facility will be disconnected from MidAmerican’s electric distribution system. Terminating this Agreement does not relieve either Party of its liabilities and obligations that are owed or continuing when the Agreement is terminated.

3.3.6 If the Agreement is terminated, the interconnection customer loses its position in the interconnection review order.

3.4 Temporary Disconnection

A Party may temporarily disconnect the distributed generation facility from the electric distribution system in the event one or more of the following conditions or events occurs:
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 3. Effective Date, Term, Termination, and Disconnection (continued)

3.4.1 Emergency conditions – Shall mean any condition or situation: (1) that in the judgment of the Party making the claim is likely to endanger life or property; or (2) that MidAmerican determines is likely to cause an adverse system impact, or is likely to have a material adverse effect on MidAmerican’s electric distribution system, interconnection facilities or other facilities, or is likely to interrupt or materially interfere with the provision of electric utility service to other customers; or (3) that is likely to cause a material adverse effect on the distributed generation facility or the interconnection equipment. Under emergency conditions, MidAmerican or the interconnection customer may suspend interconnection service and temporarily disconnect the distributed generation facility from the electric distribution system without giving notice to the other Party, provided that it gives notice as soon as practicable thereafter. MidAmerican must notify the interconnection customer when it becomes aware of any conditions that might affect the interconnection customer’s operation of the distributed generation facility. The interconnection customer shall notify MidAmerican when it becomes aware of any condition that might affect MidAmerican’s electric distribution system. To the extent information is known, the notification shall describe the condition, the extent of the damage or deficiency, the expected effect on the operation of both Parties’ facilities and operations, its anticipated duration, and the necessary corrective action.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 3. Effective Date, Term, Termination, and Disconnection (continued)

3.4.2 Scheduled maintenance, construction, or repair – MidAmerican may interrupt interconnection service or curtail the output of the distributed generation facility and temporarily disconnect the distributed generation facility from MidAmerican’s electric distribution system when necessary for scheduled maintenance, construction, or repairs on MidAmerican’s electric distribution system. To the extent possible, MidAmerican shall provide the interconnection customer with notice five business days before an interruption. MidAmerican shall coordinate the reduction or temporary disconnection with the interconnection customer; however, the interconnection customer is responsible for out-of-pocket costs incurred by MidAmerican for deferring or rescheduling maintenance, construction, or repair at the interconnection customer’s request.

3.4.3 Forced outages – MidAmerican may suspend interconnection service to repair MidAmerican’s electric distribution system. MidAmerican shall provide the interconnection customer with prior notice, if possible. If prior notice is not possible, MidAmerican shall, upon written request, provide the interconnection customer with written documentation, after the fact, explaining the circumstances of the disconnection.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 3. Effective Date, Term, Termination, and Disconnection (continued)

3.4.4 Adverse system impact – MidAmerican must provide the interconnection customer with written notice of its intention to disconnect the distributed generation facility, if MidAmerican determines that operation of the distributed generation facility creates an adverse system impact. The documentation that supports MidAmerican’s decision to disconnect must be provided to the interconnection customer. MidAmerican may disconnect the distributed generation facility if, after receipt of the notice, the interconnection customer fails to remedy the adverse system impact within 12 days, unless emergency conditions exist, in which case, the provisions of Article 3.4.1 apply. MidAmerican may continue to leave the generating facility disconnected until the adverse system impact is corrected to the satisfaction of both MidAmerican and the adversely-impacted customer.

3.4.5 Modification of the distributed generation facility – The interconnection customer must receive written authorization from MidAmerican prior to making any change to the distributed generation facility, other than a minor equipment modification. If the interconnection customer modifies its facility without MidAmerican’s prior written authorization, MidAmerican has the right to disconnect the distributed generation facility until such time as MidAmerican concludes the modification poses no threat to the safety or reliability of its electric distribution system.

3.4.6 Unauthorized connection to MidAmerican’s electric distribution system.

3.4.7 Failure of the distributed generation facility to operate in accordance with this Agreement or the applicable requirements of 199 IAC Chapters 15 or 45.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 3. Effective Date, Term, Termination, and Disconnection (continued)

3.4.8 MidAmerican is not responsible for any lost opportunity or other costs incurred by interconnection customer as a result of an interruption of service under Article 3.

Article 4. Cost Responsibility for Interconnection Facilities and Distribution Upgrades

4.1 Interconnection Facilities

4.1.1 The interconnection customer shall pay for the cost of the interconnection facilities itemized in Attachment 3. MidAmerican shall identify the additional interconnection facilities necessary to interconnect the distributed generation facility with MidAmerican’s electric distribution system, the cost of those facilities, and the time required to build and install those facilities, as well as an estimated date of completion of the building or installation of those facilities.

4.1.2 The interconnection customer is responsible for its expenses, including overheads, associated with owning, operating, maintaining, repairing, and replacing its interconnection equipment.

4.2 Distribution Upgrades

MidAmerican shall design, procure, construct, install, and own any distribution upgrades. The actual cost of the distribution upgrades, including overheads, shall be directly assigned to the interconnection customer whose distributed generation facility caused the need for the distribution upgrades.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 5. Billing, Payment, Milestones, and Financial Security

5.1 Billing and Payment Procedures and Final Accounting (Applies to additional reviews conducted under a Level 2 review and Level 4 reviews)

5.1.1 MidAmerican shall bill the interconnection customer for the design, engineering, construction, and procurement costs of MidAmerican - provided interconnection facilities and distribution upgrades contemplated by this Agreement as set forth in Attachment 3. The billing shall occur on a monthly basis, or as otherwise agreed to between the Parties. The interconnection customer shall pay each billing invoice within 30 calendar days after receipt, or as otherwise agreed to between the Parties, if a balance due is showing after any customer deposit funds have been expended.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 5. Billing, Payment, Milestones, and Financial Security (continued)

5.1.2 Within 90 calendar days after completing the construction and installation of MidAmerican’s interconnection facilities and distribution upgrades described in Attachments 2 and 3 to this Agreement, MidAmerican shall provide the interconnection customer with a final accounting report of any difference between: (1) the actual cost incurred to complete the construction and installation of MidAmerican’s interconnection facilities and distribution upgrades; and (2) the interconnection customer’s previous deposit and aggregate payments to MidAmerican for the interconnection facilities and distribution upgrades. If the interconnection customer’s cost responsibility exceeds its previous deposit and aggregate payments, MidAmerican shall invoice the interconnection customer for the amount due and the interconnection customer shall make payment to MidAmerican within 30 calendar days. If the interconnection customer’s previous deposit and aggregate payments exceed its cost responsibility under this Agreement, MidAmerican shall refund to the interconnection customer an amount equal to the difference within 30 calendar days after the final accounting report. Upon request from the interconnection customer, if the difference between the budget estimate and the actual cost exceeds 20%, MidAmerican will provide a written explanation for the difference.

5.1.3 If a Party disputes any portion of its payment obligation pursuant to this Article 5, the Party shall pay in a timely manner all non-disputed portions of its invoice, and the disputed amount shall be resolved pursuant to the dispute resolution provisions contained in Article 8. A Party disputing a portion of an Article 5 payment shall not be considered to be in default of its obligations under this Article.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 5. Billing, Payment, Milestones, and Financial Security (continued)

5.2 Interconnection Customer Deposit

At least 20 business days prior to the commencement of the design, procurement, installation, or construction of MidAmerican’s interconnection facilities and distribution upgrades, the interconnection customer shall provide MidAmerican with a deposit equal to 100% of the estimated, nonbinding cost to procure, install, or construct any such facilities. However, when the estimated date of completion of the building or installation of facilities exceeds three months from the date of payment of the deposit, pursuant to Article 4.1.1 of this Agreement, this deposit may be held by MidAmerican and will accrue interest in accordance with 199 IAC 20.4(4), with any interest to inure to the benefit of the interconnection customer.

Article 6. Assignment, Limitation on Damages, Indemnity, Force Majeure, and Default

6.1 Assignment

This Agreement may be assigned by either Party with the prior consent of the other Party. If the interconnection customer attempts to assign this Agreement, the assignee must agree to the terms of this Agreement in writing and such writing must be provided to MidAmerican. Any attempted assignment that violates this Article is void and ineffective. Assignment shall not relieve a Party of its obligations, nor shall a Party’s obligations be enlarged, in whole or in part, by reason of the assignment. An assignee is responsible for meeting the same obligations as the assignor.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 6. Assignment, Limitation on Damages, Indemnity, Force Majeure, and Default (continued)

6.1.1 Either Party may assign this Agreement without the consent of the other Party to any affiliate (including mergers, consolidations, or transfers or a sale of a substantial portion of the Party's assets, between the Party and another entity), of the assigning Party that has an equal or greater credit rating and the legal authority and operational ability to satisfy the obligations of the assigning Party under this Agreement.

6.1.2 The interconnection customer can assign this Agreement, without the consent of MidAmerican, for collateral security purposes to aid in providing financing for the distributed generation facility.

6.2 Limitation on Damages

Except for cases of gross negligence or willful misconduct, the liability of any Party to this Agreement shall be limited to direct actual damages, including death, bodily injury, third party claims, and reasonable attorney’s fees, and all other damages at law are waived. Under no circumstances, except for cases of gross negligence or willful misconduct, shall any Party or its directors, officers, employees, and agents, or any of them, be liable to another Party, whether in tort, contract, or other basis in law or equity for any special, indirect, punitive, exemplary, or consequential damages, including lost profits, lost revenues, replacement power, cost of capital, or replacement equipment. This limitation on damages shall not affect any Party’s rights to obtain equitable relief, including specific performance, as otherwise provided in this Agreement. The provisions of this Article 6.2 shall survive the termination or expiration of the Agreement.

6.3 Indemnity

6.3.1 This provision protects each Party from liability incurred as a result of carrying out the provisions of this Agreement. Liability under this provision is exempt from the general limitations on liability found in Article 6.2.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Recitals: (continued)

6.3.2 The interconnection customer shall indemnify and defend MidAmerican and MidAmerican's directors, officers, employees, and agents, from all claims, damages, and expenses, including reasonable attorney's fees, to the extent resulting from the interconnection customer's negligent installation, operation, modification, maintenance, or removal of its distributed generation facility or interconnection facilities, or the interconnection customer's willful misconduct or breach of this Agreement.

6.3.3 MidAmerican shall indemnify and defend the interconnection customer and the interconnection customer's directors, officers, employees, and agents from all claims, damages, and expenses, including reasonable attorney's fees, to the extent resulting from MidAmerican's negligent installation, operation, modification, maintenance, or removal of its interconnection facilities or electric distribution system, or MidAmerican's willful misconduct or breach of this Agreement.

6.3.4 Within 5 business days after receipt by an indemnified Party of any claim or notice that an action or administrative or legal proceeding or investigation as to which the indemnity provided for in this Article may apply has commenced, the indemnified Party shall notify the indemnifying Party of such fact. The failure to notify, or a delay in notification, shall not affect a Party's indemnification obligation unless that failure or delay is materially prejudicial to the indemnifying Party.

6.3.5 If an indemnified Party is entitled to indemnification under this Article as a result of a claim, and the indemnifying Party fails, after notice and reasonable opportunity to proceed under this Article, to assume the defense of such claim, that indemnified Party may, at the expense of the indemnifying Party, contest, settle, or consent to the entry of any judgment with respect to, or pay in full, the claim.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 6. Assignment, Limitation on Damages, Indemnity, Force Majeure, and Default (continued)

6.3.6 If an indemnifying Party is obligated to indemnify and hold any indemnified Party harmless under this Article, the amount owing to the indemnified person shall be the amount of the indemnified Party’s actual loss, net of any insurance or other recovery by the indemnified party.

6.4 Force Majeure

6.4.1 As used in this Article, a force majeure event shall mean any act of God, labor disturbance, act of the public enemy, war, acts of terrorism, insurrection, riot, fire, storm or flood, explosion, breakage, or accident to machinery or equipment through no direct, indirect, or contributory act of a Party, any order, regulation or restriction imposed by governmental, military, or lawfully established civilian authorities (e.g., MISO), or any other cause beyond a Party’s control. A force majeure event does not include an act of gross negligence or intentional wrongdoing by the Party claiming force majeure.

6.4.2 If a force majeure event prevents a Party from fulfilling any obligations under this Agreement, the Party affected by the force majeure event ("Affected Party") shall notify the other Party of the existence of the force majeure event as soon as reasonably possible. The notification will specify the circumstances of the force majeure event, its expected duration (if known), and the steps that the Affected Party is taking and will take to mitigate the effects of the event on its performance (if known). If the initial notification is verbal, it must be followed up with a written notification promptly thereafter. The Affected Party shall keep the other Party informed on a periodic basis of developments relating to the force majeure event until the event ends. The Affected Party may suspend or modify its obligations under this Agreement without liability only to the extent that the effect of the force majeure event cannot be otherwise mitigated.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 6. Assignment, Limitation on Damages, Indemnity, Force Majeure, and Default (continued)

6.5 Default

6.5.1 No default shall exist when the failure to discharge an obligation results from a force majeure event as defined in this Agreement, or the result of an act or omission of the other Party.

6.5.2 A Party shall be in default ("Default") of this Agreement if it fails in any material respect to comply with, observe, or perform, or defaults in the performance of, any covenant or obligation under this Agreement and fails to cure the failure within 60 calendar days after receiving written notice from the other Party. Upon a default of this Agreement, the non-defaulting Party shall give written notice of the default to the defaulting Party. Except as provided in Article 6.5.3, the defaulting Party has 60 calendar days after receipt of the default notice to cure the default; provided, however, if the default cannot be cured within 60 calendar days, the defaulting Party shall commence the cure within 20 calendar days after original notice and complete the cure within six months from receipt of the default notice; and, if cured within that time, the default specified in the notice shall cease to exist.

6.5.3 If a Party has assigned this Agreement in a manner that is not specifically authorized by Article 6.1, fails to provide reasonable access pursuant to Article 2.3, and is in default of its obligations pursuant to Article 7, or if a Party is in default of its payment obligations pursuant to Article 5 of this Agreement, the defaulting Party has 30 days from receipt of the default notice to cure the default.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 6. Assignment, Limitation on Damages, Indemnity, Force Majeure, and Default (continued)

6.5.4 If a default is not cured as provided for in this Article, or if a default is not capable of being cured within the period provided for in this Article, the non-defaulting Party shall have the right to terminate this Agreement without liability by written notice, and be relieved of any further obligation under this Agreement and, whether or not that Party terminates this Agreement, to recover from the defaulting Party all amounts due under this Agreement, plus all other damages and remedies to which it is entitled at law or in equity. The provisions of this Article shall survive termination of this Agreement.

Article 7. Insurance

7.1 For distributed generation facilities with a nameplate capacity less than 1 MVA, the interconnection customer shall carry general liability insurance coverage, such as, but not limited to, homeowner’s insurance.

7.2 For distributed generation facilities with a nameplate capacity of 1 MVA or above, the interconnection customer shall carry sufficient insurance coverage so that the maximum comprehensive/general liability coverage that is continuously maintained by the interconnection customer during the term shall be not less than $2,000,000 for each occurrence, and an aggregate, if any, of at least $4,000,000. MidAmerican, its officers, employees, and agents shall be added as an additional insured on this policy. The interconnection customer agrees to provide MidAmerican with at least 30 calendar days advance written notice of cancellation, reduction in limits, or non-renewal of any insurance policy required by this Article.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 8. Dispute Resolution

8.1 Parties shall attempt to resolve all disputes regarding interconnection as provided in this Article in a good faith manner.

8.2 If there is a dispute between the Parties about an interpretation of the Agreement, the aggrieved Party shall issue a written notice to the other Party to the agreement that specifies the dispute and the Agreement articles that are disputed.

8.3 A meeting between the Parties shall be held within ten business days after receipt of the written notice. Persons with decision-making authority from each Party shall attend the meeting. If the dispute involves technical issues, persons with sufficient technical expertise and familiarity with the issue in dispute from each Party shall also attend the meeting. If the Parties agree, the meeting may be conducted by teleconference.

8.4 After the first meeting, each Party may seek resolution through the Iowa Utilities Board Chapter 6 complaint procedures (199 IAC 6). Dispute resolution under these procedures will initially be conducted informally under 199 IAC 6.2 through 6.4 to minimize cost and delay. If any party is dissatisfied with the outcome of the informal process, they may file a formal complaint with the Board under 199 IAC 6.5.

8.5 Pursuit of dispute resolution may not affect an interconnection request or an interconnection applicant's position in MidAmerican's interconnection review order.

8.6 If the Parties fail to resolve their dispute under the dispute resolution provisions of this Article, nothing in this Article shall affect any Party's rights to obtain equitable relief, including specific performance, as otherwise provided in this Agreement.
LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 9. Miscellaneous

9.1 Governing Law, Regulatory Authority, and Rules

The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the laws of the State of Iowa, without regard to its conflicts of law principles. This Agreement is subject to all applicable laws and regulations. Each Party expressly reserves the right to seek change in, appeal, or otherwise contest any laws, orders, or regulations of a governmental authority. The language in all parts of this Agreement shall in all cases be construed as a whole, according to its fair meaning, and not strictly for or against MidAmerican or interconnection customer, regardless of the involvement of either Party in drafting this Agreement.

9.2 Amendment

Modification of this Agreement shall be only by a written instrument duly executed by both Parties.

9.3 No Third-Party Beneficiaries

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations in this Agreement assumed are solely for the use and benefit of the Parties, their successors in interest and, where permitted, their assigns.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 9. Miscellaneous (continued)

9.4 Waiver

9.4.1 Except as otherwise provided in this Agreement, a Party’s compliance with any obligation, covenant, agreement, or condition in this Agreement may be waived by the Party entitled to the benefits thereof only by a written instrument signed by the Party granting the waiver, but the waiver or failure to insist upon strict compliance with the obligation, covenant, agreement, or condition shall not operate as a waiver of, or estoppel with respect to, any subsequent or other failure.

9.4.2 Failure of any Party to enforce or insist upon compliance with any of the terms or conditions of this Agreement, or to give notice or declare this Agreement or the rights under this Agreement terminated, shall not constitute a waiver or relinquishment of any rights set out in this Agreement, but the same shall be and remain at all times in full force and effect, unless and only to the extent expressly set forth in a written document signed by that Party granting the waiver or relinquishing any such rights. Any waiver granted, or relinquishment of any right, by a Party shall not operate as a relinquishment of any other rights or a waiver of any other failure of the Party granted the waiver to comply with any obligation, covenant, agreement, or condition of this Agreement.

9.5 Entire Agreement

Except as provided in Article 9.1, this Agreement, including all attachments and the completed Standard Certificate of Completion (199 IAC 45.15), constitutes the entire Agreement between the Parties with reference to the subject matter of this Agreement, and supersedes all prior and contemporaneous understandings or agreements, oral or written, between the Parties with respect to the subject matter of this Agreement. There are no other agreements, representations, warranties, or covenants that constitute any part of the consideration for, or any condition to, either Party’s compliance with its obligations under this Agreement.
LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 9. Miscellaneous (continued)

9.6 Multiple Counterparts

This Agreement may be executed in two or more counterparts, each of which is deemed an original, but all constitute one and the same instrument.

9.7 No Partnership

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties, or to impose any partnership obligation or partnership liability upon either Party. Neither Party shall have any right, power, or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

9.8 Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other governmental authority, (1) that portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by the ruling, and (3) the remainder of this Agreement shall remain in full force and effect.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 9. Miscellaneous (continued)

9.9 Environmental Releases

Each Party shall notify the other Party of the release of any hazardous substances, any asbestos or lead abatement activities, or any type of remediation activities related to the distributed generation facility or the interconnection facilities, each of which may reasonably be expected to affect the other Party. The notifying Party shall (1) provide the notice as soon as practicable, provided that Party makes a good faith effort to provide the notice no later than 24 hours after that Party becomes aware of the occurrence, and (2) promptly furnish to the other Party copies of any publicly available reports filed with any governmental authorities addressing such events.

9.10 Subcontractors

Nothing in this Agreement shall prevent a Party from using the services of any subcontractor it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing services and each Party shall remain primarily liable to the other Party for the performance of the subcontractor.

9.10.1 A subcontract relationship does not relieve any Party of any of its obligations under this Agreement. The hiring Party remains responsible to the other Party for the acts or omissions of its subcontractor. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of the hiring Party.

9.10.2 The obligations under this Article cannot be limited in any way by any limitation of subcontractor's insurance.
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 10. Notices

10.1 General

Unless otherwise provided in this Agreement, any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given if delivered in person, delivered by recognized national courier service, or sent by first class mail, postage prepaid, to the person specified below:

If Notice is to Interconnection Customer:

Interconnection Customer: __________________________________________
Attention: _______________________________________________________
Address: ________________________________________________________
City: _________________________________ State:_________ Zip:_________
Phone: _______________ Fax: _______________ E-mail: ________________

If Notice is to MidAmerican:

Utility: MidAmerican Energy Company
Attention: _______________________________________________________
Address: ________________________________________________________
City: _________________________________ State:_________ Zip:_________
Phone: _______________ Fax: _______________ E-mail: __________________
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 10. Notices (continued)

Alternative Forms of Notice:

Any notice or request required or permitted to be given by either Party to the other Party and not required by this Agreement to be in writing may be given by telephone, facsimile or e-mail to the telephone numbers and e-mail addresses set out above.

10.2 Billing and Payment

Billings and payments shall be sent to the contacts specified for Notices in Article 10.1 above, unless a different address is set out below:

If Billing or Payment is to Interconnection Customer:

Interconnection Customer: ________________________________
Attention: ____________________________________________
Address: ____________________________________________
City: __________________________ State: __________ Zip: ______

If Billing or Payment is to MidAmerican:

Utility: MidAmerican Energy Company
Attention: ____________________________________________
Address: ____________________________________________
City: __________________________ State: __________ Zip: ______
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 10. Notices (continued)

10.3 Designated Operating Representative

The Parties may also designate operating representatives to conduct the communications that may be necessary or convenient for the administration of this Agreement. This person will also serve as the point of contact with respect to operations and maintenance of the Party’s facilities. If no such operating representative is designated below, such notices will be sent to the contacts listed in Article 10.1 above.

Interconnection Customer’s Operating Representative:

Name: __________________________________________________________
Attention: ________________________________________________________
Address: ________________________________________________________
City: ______________________________ State:____________ Zip:_________

MidAmerican’s Operating Representative:

Name: __________________________________________________________
Attention: ________________________________________________________
Address: ________________________________________________________
City: ______________________________ State:____________ Zip:_________
SECTION 8 – FORMS AND AGREEMENTS

LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (For Distributed Generation Facilities with a capacity of 10 MVA or less) (continued)

Article 10. Notices (continued)

10.4 Changes to the Notice Information

Either Party may change this notice information by giving five business days written notice before the effective date of the change.

Article 11. Signatures

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective duly authorized representatives.

For the Interconnection Customer:

Name: ___________________________________________
Title: ____________________________________________
Date: ____________________________________________

For MidAmerican:

Name: ___________________________________________
Title: ____________________________________________
Date: ____________________________________________
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 1 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT

Definitions

Adverse system impact – A negative effect that compromises the safety or reliability of the electric distribution system or materially affects the quality of electric service provided by MidAmerican to other customers.

AEP facility – An AEP facility as defined in 199 IAC 15 (Iowa Utilities Board Chapter 15 rules on Cogeneration and Small Power Production), used by an interconnection customer to generate electricity that operates in parallel with the electric distribution system. An AEP facility typically includes an electric generator and the interconnection equipment required to interconnect safely with the electric distribution system or local electric power system.

Applicable laws and regulations – All duly promulgated applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any governmental authority, having jurisdiction over the Parties.

Commissioning test – Tests applied to a distributed generation facility by the applicant after construction is completed to verify that the facility does not create adverse system impacts. At a minimum, the scope of the commissioning tests performed shall include the commissioning test specified IEEE Standard 1547 (2003 or latest edition adopted by the Iowa Utilities Board) Section 5.4 "Commissioning tests."

Distributed generation facility – A qualifying facility or an AEP facility.

Distribution upgrades – A required addition or modification to MidAmerican’s electric distribution system at or beyond the point of interconnection to accommodate the interconnection of a distributed generation facility. Distribution upgrades do not include interconnection facilities.

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Issued by: Naomi G. Czachura
Vice President
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 1 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (continued)

Electric distribution system – The facilities and equipment used to transmit electricity to ultimate usage points such as homes and industries from interchanges with higher voltage transmission networks that transport bulk power over longer distances. The voltage levels at which electric distribution systems operate differ among areas but generally carry less than 100 kilovolts of electricity. Electric distribution system has the same meaning as the term Area EPS, as defined in 3.1.6.1 of IEEE Standard 1547 (2003 or latest edition adopted by the Iowa Utilities Board).

Facilities study – An engineering study conducted by MidAmerican to determine the required modifications to MidAmerican’s electric distribution system, including the cost and the time required to build and install the modifications, as necessary to accommodate an interconnection request.

Force majeure event – Any act of God, labor disturbance, act of the public enemy, war, acts of terrorism, insurrection, riot, fire, storm or flood, explosion, breakage, or accident to machinery or equipment through no direct, indirect, or contributory act of a Party, any order, regulation, or restriction imposed by governmental, military, or lawfully established civilian authorities (e.g., MISO), or any other cause beyond a Party’s control. A force majeure event does not include an act of gross negligence or intentional wrongdoing by the Party claiming force majeure.

Governmental authority – Any federal, state, local or other governmental regulatory or administrative agency, court, commission, department, board, other governmental subdivision, legislature, rulemaking board, tribunal, or other governmental authority having jurisdiction over the Parties, their respective facilities, or the respective services they provide, and exercising or entitled to exercise any administrative, executive, police, or taxing authority or power; provided, however, that this term does not include the interconnection customer, MidAmerican, or any affiliate of either.

SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 1 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (continued)


Interconnection agreement or Agreement – The agreement between the interconnection customer and MidAmerican. The interconnection agreement governs the connection of the distributed generation facility to MidAmerican’s electric distribution system and the ongoing operation of the distributed generation facility after it is connected to MidAmerican’s electric distribution system.

Interconnection customer – The entity entering into this Agreement for the purpose of interconnecting a distributed generation facility to MidAmerican’s electric distribution system.

Interconnection equipment – A group of components or an integrated system connecting an electric generator with a local electric power system or an electric distribution system that includes all interface equipment, including switchgear, protective devices, inverters, or other interface devices. Interconnection equipment may be installed as part of an integrated equipment package that includes a generator or other electric source.

Interconnection facilities – Facilities and equipment required by MidAmerican to accommodate the interconnection of a distributed generation facility. Collectively, interconnection facilities include all facilities and equipment between the distributed generation facility and the point of interconnection, including modification, additions, or upgrades that are necessary to physically and electrically interconnect the distributed generation facility to the electric distribution system. Interconnection facilities are sole use facilities and do not include distribution upgrades.
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 1 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT (continued)

Interconnection request – An interconnection customer’s request, on the required form, for the interconnection of a new distributed generation facility, or to increase the capacity or change the operating characteristics of an existing distributed generation facility that is interconnected with MidAmerican’s electric distribution system.

Interconnection study – Any of the following studies, as determined to be appropriate by MidAmerican: the interconnection feasibility study, the interconnection system impact study, and the interconnection facilities study.

Iowa standard distributed generation interconnection rules – The most current version of the procedures for interconnecting distributed generation facilities adopted by the Iowa Utilities Board. See Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45).

Parallel operation or Parallel – The state of operation that occurs when a distributed generation facility is connected electrically to the electric distribution system for longer than 100 milliseconds.

Point of interconnection – The point where the distributed generation facility is electrically connected to the electric distribution system. Point of interconnection has the same meaning as the term "point of common coupling" defined in 3.1.13 of IEEE Standard 1547 (2003 or latest edition adopted by the Iowa Utilities Board).

Qualifying facility – A cogeneration facility or a small power production facility that is a qualifying facility under 18 CFR Part 292, Subpart B, used by an interconnection customer to generate electricity that operates in parallel with the electric distribution system. A qualifying facility typically includes an electric generator and the interconnection equipment required to interconnect safely with the electric distribution system or local electric power system.

Utility – Any electric utility that is subject to rate regulation by the Iowa Utilities Board.
ATTACHMENT 1 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT
(continued)

Witness test – For lab-certified equipment, verification (either by an on-site observation
or review of documents) by MidAmerican that the interconnection installation evaluation
required by IEEE Standard 1547 (2003 or latest edition adopted by the Iowa Utilities
Board) Section 5.3 and the commissioning test required by IEEE Standard 1547 (2003
or latest edition adopted by the Iowa Utilities Board) Section 5.4 have been adequately
performed. For interconnection equipment that has not been lab-certified, the witness
test shall also include verification
by MidAmerican of the on-site design tests required by IEEE Standard 1547 (2003 or
latest edition adopted by the Iowa Utilities Board) Section 5.1 and verification by
MidAmerican of production tests required by IEEE Standard 1547 (2003 or latest edition
adopted by the Iowa Utilities Board) Section 5.2. All tests verified by MidAmerican are to
be performed in accordance with the test procedures specified by IEEE Standard
1547.1 (2005 or latest edition adopted by the Iowa Utilities Board).
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 2 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT

Construction Schedule, Proposed Equipment & Settings

This attachment is to be completed by the interconnection customer and shall include the following:

1. The construction schedule for the distributed generation facility.

2. A one-line diagram indicating the distributed generation facility, interconnection equipment, interconnection facilities, metering equipment, and distribution upgrades.

3. Component specifications for equipment identified in the one-line diagram.


5. Proposed sequence of operations.

6. A three-line diagram showing current potential circuits for protective relays.

7. Relay tripping and control schematic diagram.

8. A plot plan showing the distributed generation facility’s location in relation to streets, alleys, address or other geographical markers.
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 3 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT

Description, Costs and Time Required to Build and Install MidAmerican’s Interconnection Facilities

This attachment is to be completed by MidAmerican and shall include the following:

1. Required interconnection facilities, including any required metering.

2. An estimate of itemized costs charged by MidAmerican for interconnection, including overheads, based on results from prior studies.

3. An estimate for the time required to build and install MidAmerican’s interconnection facilities based on results from prior studies and an estimate of the date upon which the facilities will be completed.

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Issued by: Naomi G. Czachura Vice President
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 4 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT

Operating Requirements for Distributed Generation Facilities Operating in Parallel

MidAmerican shall list specific operating practices that apply to this distributed generation interconnection and the conditions under which each listed specific operating practice applies.
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 5 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT

Monitoring and Control Requirements

This attachment is to be completed by MidAmerican and shall include the following:

1. MidAmerican’s monitoring and control requirements must be specified, along with a reference to MidAmerican’s written requirements documents from which these requirements are derived.

2. An internet link to the requirements documents.
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 6 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT

Metering Requirements

This attachment is to be completed by MidAmerican and shall include the following:

1. The metering requirements for the distributed generation facility.

2. Identification of the appropriate metering rules filed with the Iowa Utilities Board under subrule 199 IAC 20.2(5), and inspection and testing practices adopted under rule 199 IAC 20.6 that establish these requirements.

3. An internet link to these rules and practices.
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT 7 - LEVELS 2 TO 4: STANDARD INTERCONNECTION AGREEMENT

As Built Documents

This attachment is to be completed by the interconnection customer and shall include the following:

When it returns the certificate of completion to MidAmerican, the interconnection customer shall provide MidAmerican with documents detailing the as-built status of the following:

1. A one-line diagram indicating the distributed generation facility, interconnection equipment, interconnection facilities, and metering equipment.
2. Component specifications for equipment identified in the one-line diagram.
3. Component settings.
4. Proposed sequence of operations.
5. A three-line diagram showing current potential circuits for protective relays.
6. Relay tripping and control schematic diagram.
INTERCONNECTION FEASIBILITY STUDY AGREEMENT

This agreement ("Agreement") is made and entered into this ___ day of __________, by and between ____________________________ ("interconnection customer"), as an individual person, or as a _______________ organized and existing under the laws of the State of _______________, and MidAmerican Energy Company, ("MidAmerican"), a corporation existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a "Party," or collectively as the “Parties.”

Recitals:

Whereas, interconnection customer is proposing to develop a distributed generation facility or modify an existing distributed generation facility consistent with the interconnection request application form submitted by interconnection customer on ________________; and

Whereas, interconnection customer desires to interconnect the distributed generation facility with MidAmerican’s electric distribution system; and

Whereas, interconnection customer has requested MidAmerican to perform an interconnection feasibility study to assess the feasibility of interconnecting the proposed distributed generation facility to MidAmerican’s electric distribution system;

Now, therefore, in consideration of and subject to the mutual covenants contained herein the Parties agree as follows:

1. All terms defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) shall have the meanings indicated in that rule when used in this Agreement.

2. Interconnection customer elects and MidAmerican shall cause to be performed an interconnection feasibility study consistent with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11).
SECTION 8 – FORMS AND AGREEMENTS

INTERCONNECTION FEASIBILITY STUDY AGREEMENT (continued)

Recitals: (continued)

3. The scope of the interconnection feasibility study shall be based upon the information set forth in the interconnection request application form and Attachment A to this Agreement.

4. The interconnection feasibility study shall be based on the technical information provided by interconnection customer in the interconnection request application form, as modified with the written agreement of the Parties. MidAmerican has the right to request additional technical information from interconnection customer during the course of the interconnection feasibility study. If the interconnection customer modifies its interconnection request, the time to complete the interconnection feasibility study may be extended by MidAmerican.

5. In performing the study, MidAmerican shall rely on existing studies of recent vintage to the extent practical. The interconnection customer will not be charged for such existing studies; however, interconnection customer is responsible for the cost of applying any existing study to the interconnection customer specific requirements and for any new study that MidAmerican performs.

6. The interconnection feasibility study report must provide the following information:

6.1 Identification of any equipment short circuit capability limits exceeded as a result of the interconnection,

6.2 Identification of any thermal overload or voltage limit violations resulting from the interconnection, and

6.3 A description and nonbinding estimated cost of facilities required to interconnect the distributed generation facility to MidAmerican’s electric distribution system as required under Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11(5)"a").
INTERCONNECTION FEASIBILITY STUDY AGREEMENT (continued)

Recitals: (continued)

7. Interconnection customer shall provide a study deposit equal to 100% of the estimated nonbinding study costs at least 20 business days prior to the date upon which the study commences.

8. The interconnection feasibility study shall be completed and the results shall be transmitted to interconnection customer within 45 business days after this Agreement is signed by the Parties or the complete study deposit is received by MidAmerican, whichever occurs later. If the interconnection customer’s study request involves more than one point of interconnection and configuration, the time to complete the interconnection feasibility study may be extended by MidAmerican.

9. Study fees shall be based on actual costs and will be invoiced to interconnection customer after the study is transmitted to interconnection customer. The invoice must include an itemized listing of employee time and costs expended on the study.

10. Interconnection customer shall pay any actual study costs that exceed the deposit without interest within 30 calendar days on receipt of the invoice. MidAmerican shall refund any excess deposit amount without interest within 30 calendar days after the invoice.
INTERCONNECTION FEASIBILITY STUDY AGREEMENT (continued)

Recitals: (continued)

In witness whereof, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

[Insert name of interconnection customer]

Signed: ________________________________
Name (Printed): _________________________ Title: _________________________

MidAmerican Energy Company

Signed: ________________________________
Name (Printed): _________________________ Title: _________________________
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT A – INTERCONNECTION FEASIBILITY STUDY AGREEMENT

Assumptions Used in Conducting the Interconnection Feasibility Study

The interconnection feasibility study will be based upon the information in the interconnection request application form, agreed upon on __________________: 

1. Point of interconnection and configuration to be studied. 

______________________________________________________________________  
______________________________________________________________________  
______________________________________________________________________  
______________________________________________________________________  

2. Alternative points of interconnection and configurations to be studied. 

______________________________________________________________________  
______________________________________________________________________  
______________________________________________________________________  
______________________________________________________________________  

Note: 1 and 2 are to be completed by the interconnection customer. Any additional assumptions (explained below) may be provided by either the interconnection customer or MidAmerican.

______________________________________________________________________  
______________________________________________________________________  
______________________________________________________________________  
______________________________________________________________________  

Issued:  August 6, 2014  Effective:  July 31, 2014

Issued by:  Naomi G. Czachura  
Vice President
SECTION 8 – FORMS AND AGREEMENTS

INTERCONNECTION SYSTEM IMPACT STUDY AGREEMENT

This agreement ("Agreement") is made and entered into this ____ day of ___________, by and between ____________________________ ("interconnection customer"), as an individual person, or as a ________________ organized and existing under the laws of the State of _______________, and MidAmerican Energy Company, ("MidAmerican"), a corporation existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a "Party," or collectively as the “Parties.”

Recitals:

Whereas, interconnection customer is proposing to develop a distributed generation facility or modifying an existing distributed generation facility consistent with the interconnection request application form completed by interconnection customer on ___________________; and

Whereas, interconnection customer desires to interconnect the distributed generation facility to MidAmerican’s electric distribution system; and

Whereas, MidAmerican has completed an interconnection feasibility study and provided the results of said study to interconnection customer (this recital to be omitted if the Parties have agreed to forego the interconnection feasibility study); and

Whereas, interconnection customer has requested MidAmerican to perform an interconnection system impact study to assess the impact of interconnecting the distributed generation facility to MidAmerican’s electric distribution system;

Now, therefore, in consideration of and subject to the mutual covenants contained herein the Parties agree as follows:

1. All terms defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) shall have the meanings indicated in that rule when used in this Agreement.
INTERCONNECTION SYSTEM IMPACT STUDY AGREEMENT (continued)

Recitals: (continued)

2. Interconnection customer elects and MidAmerican shall cause to be performed an interconnection system impact study consistent with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11).

3. The scope of the interconnection system impact study shall be based upon the information set forth in the interconnection request application form and in Attachment A to this Agreement.

4. The interconnection system impact study shall be based upon the interconnection feasibility study and the technical information provided by interconnection customer in the interconnection request application form. MidAmerican reserves the right to request additional technical information from interconnection customer. If interconnection customer modifies its proposed point of interconnection, interconnection request, or the technical information provided therein is modified, the time to complete the interconnection system impact study may be extended.

5. The interconnection system impact study report shall provide the following information:

5.1 Identification of any equipment short circuit capability limits exceeded as a result of the interconnection,

5.2 Identification of any thermal overload or voltage limit violations resulting from the interconnection,

5.3 Identification of any instability or inadequately damped response to system disturbances resulting from the interconnection, and
SECTION 8 – FORMS AND AGREEMENTS

INTERCONNECTION SYSTEM IMPACT STUDY AGREEMENT (continued)

Recitals: (continued)

5.4 Description and nonbinding estimated cost of facilities required to interconnect the distributed generation facility to MidAmerican’s electric distribution system and to address the identified short circuit, thermal overload, voltage, and instability issues as required under Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11(5)"b").

6. Interconnection customer shall provide a study deposit equal to 100% of the estimated nonbinding study costs at least 20 business days prior to the date upon which the study commences.

7. The interconnection system impact study, if required, shall be completed and the results transmitted to interconnection customer within 45 business days after this Agreement is signed by the Parties or the complete study deposit is received by MidAmerican, whichever occurs later. If the interconnection customer’s study request involves more than one point of interconnection and configuration, the time to complete the interconnection system impact study may be extended by MidAmerican.

8. Study fees shall be based on actual costs and shall be invoiced to interconnection customer after the study is transmitted to interconnection customer. The invoice shall include an itemized listing of employee time and costs expended on the study.

9. Interconnection customer shall pay any study costs that exceed the deposit within 30 calendar days after receipt of the invoice. MidAmerican shall refund any excess deposit amount within 30 calendar days of the invoice.
INTERCONNECTION SYSTEM IMPACT STUDY AGREEMENT (continued)

In witness thereof, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

[Insert name of interconnection customer]

Signed: ____________________________________________
Name (Printed): __________________________ Title: _________________________

MidAmerican Energy Company

Signed: ____________________________________________
Name (Printed): __________________________ Title: _________________________
ATTACHMENT A – INTERCONNECTION SYSTEM IMPACT STUDY AGREEMENT

Assumptions Used in Conducting the Interconnection System Impact Study

The interconnection system impact study shall be based upon the results of the interconnection feasibility study, subject to any modifications in accordance with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11), and the following assumptions:

1. Point of interconnection and configuration to be studied.

____________________________________________________________________

____________________________________________________________________

____________________________________________________________________

2. Alternative Points of interconnection and configurations to be studied.

____________________________________________________________________

____________________________________________________________________

____________________________________________________________________

Note: 1 and 2 are to be completed by the interconnection customer. Any additional assumptions (explained below) may be provided by either the interconnection customer or MidAmerican.
INTERCONNECTION FACILITIES STUDY AGREEMENT

This agreement ("Agreement") is made and entered into this ____ day of __________, by and between ____________________________ ("interconnection customer"), as an individual person, or as a __________________ organized and existing under the laws of the State of _______________, and MidAmerican Energy Company, ("MidAmerican"), a corporation existing under the laws of the State of Iowa. Interconnection customer and MidAmerican each may be referred to as a “Party,” or collectively as the “Parties.”

Recitals:

Whereas, interconnection customer is proposing to develop a distributed generation facility or modifying an existing distributed generation facility consistent with the interconnection request application form completed by interconnection customer on _______________; and

Whereas, interconnection customer desires to interconnect the distributed generation facility with MidAmerican’s electric distribution system; and

Whereas, MidAmerican has completed an interconnection system impact study and provided the results of said study to interconnection customer; and

Whereas, interconnection customer has requested MidAmerican to perform an interconnection facilities study to specify and estimate the cost of the equipment, engineering, procurement and construction work needed to interconnect the distributed generation facility;

Now, therefore, in consideration of and subject to the mutual covenants contained in this Agreement, the Parties agree as follows:

1. All terms defined in Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.1) shall have the meanings indicated in that rule when used in this Agreement.
SECTION 8 – FORMS AND AGREEMENTS

INTERCONNECTION FACILITIES STUDY AGREEMENT (continued)

Recitals: (continued)

2. Interconnection customer elects and MidAmerican shall cause to be performed an interconnection facilities study consistent with Iowa Utilities Board Chapter 45 rules on Electric Interconnection of Distributed Generation Facilities (199 IAC 45.11).

3. The scope of the interconnection facilities study shall be determined by the information provided in Attachment A to this Agreement.

4. An interconnection facilities study report (1) shall provide a description, estimated cost of distribution upgrades, and a schedule for required facilities to interconnect the distributed generation facility to MidAmerican’s electric distribution system; and (2) shall address all issues identified in the interconnection system impact study (or identified in this study if the system impact study is combined herein).

5. Interconnection customer shall provide a study deposit of 100% of the estimated nonbinding study costs at least 20 business days prior to the date upon which the study commences.

6. In cases where no distribution upgrades are required, the interconnection facilities study shall be completed and the results shall be transmitted to interconnection customer within 15 business days after this Agreement is signed by the Parties. In cases where distribution upgrades are required, the interconnection facilities study shall be completed and the results shall be transmitted to interconnection customer within 35 business days after this Agreement is signed by the Parties or the complete study deposit is received by MidAmerican, whichever occurs later.

7. Study fees shall be based on actual costs and will be invoiced to interconnection customer after the study is transmitted to interconnection customer. The invoice shall include an itemized listing of employee time and costs expended on the study.
INTERCONNECTION FACILITIES STUDY AGREEMENT (continued)

Recitals: (continued)

8. Interconnection customer shall pay any actual study costs that exceed the deposit within 30 calendar days on receipt of the invoice. MidAmerican shall refund any excess deposit amount within 30 calendar days after the invoice.

In witness whereof, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

[Insert name of interconnection customer]

Signed: __________________________
Name (Printed): __________________________ Title: __________________________

MidAmerican Energy Company

Signed: __________________________
Name (Printed): __________________________ Title: __________________________
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT A – INTERCONNECTION FACILITIES STUDY AGREEMENT

Minimum Information that the Interconnection Customer Must Provide with the Interconnection Facilities Study Agreement

Provide location plan and simplified one-line diagram of the distributed generation facilities.

For staged projects, please indicate size and location of planned additional future generation.

On the one-line diagram, indicate the generation capacity attached at each metering location. (Maximum load on CT/PT).

On the one-line diagram, indicate the location of auxiliary power. (Minimum load on CT/PT) Amps.

One set of metering is required for each generation connection to MidAmerican’s electric distribution system.

Number of generation connections: ________________

Will an alternate source of auxiliary power be available during CT/PT maintenance? Yes ______ No_______

Will a transfer bus on the generation side of the metering require that each meter set be designed for the total distributed generation capacity? Yes ______ No ______ (Please indicate on the one-line diagram).

What type of control system or PLC will be located at the distributed generation facility? ________________________________.

What protocol does the control system or PLC use? ________________________.
SECTION 8 – FORMS AND AGREEMENTS

ATTACHMENT A – INTERCONNECTION FACILITIES STUDY AGREEMENT (continued)

Minimum Information that the Interconnection Customer Must Provide with the Interconnection Facilities Study Agreement (continued)

Please provide a scale drawing of the site. Indicate the point of interconnection, distribution line, and property lines.

Number of third party easements required for MidAmerican’s interconnection facilities:

To be Completed in Coordination with MidAmerican

Is the distributed generation facility located in MidAmerican’s service area?

Yes ______ No ______

If No, please provide name of local provider: _________________________________

Please provide the following proposed schedule dates:

Begin construction date: ________________

Generator step-up transformers receive back feed power date: ________________

Commissioning testing date: ________________

Witness testing date: ________________

Commercial operation date: ________________

Issued: August 6, 2014 Effective: July 31, 2014

Issued by: Naomi G. Czachura
Vice President
RESERVED FOR FUTURE USE
RATE RS – RESIDENTIAL SERVICE

AVAILABLE

Service under this rate is available to any Residential Iowa Customer for use in a single-family dwelling unit with an annual billed energy usage of 50,000 kWh or less. This service is not available for resale, standby or supplemental service.

APPLICATION

Service under this rate schedule will be furnished only to a single occupancy dwelling. In the case of multifamily dwellings with two (2) or more living units, where service to each individual unit is metered separately, electricity used for hallway lighting and other incidental uses in connection with the operation of such buildings may be served under this rate and may be connected to one (1) of the apartment meters.

Where a portion of a dwelling is used regularly for business or professional purposes, the premises will be classified as non-residential and the appropriate price schedule applied. However, if the service for residential purposes can be metered separately through appropriate wiring, the residential classification will be applied to such service.

Service in this classification is not available for fraternity houses, multiple dwellings with two (2) or more distinct living quarters, or rooming houses with more than four (4) rooms occupied by persons not members of the customer's immediate family.

Service in the classification is not available to unattached structures or other separately-served facilities on residential premises and shall be served under a qualifying non-residential rate.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single- or three-phase, at secondary voltages offered by the Company, and as further described in the Company's terms and conditions.
### RATE RS – RESIDENTIAL SERVICE (continued)

#### NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Description</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Service Charge:</td>
<td>$8.50</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Energy Charge:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>First 1,000 kWh</td>
<td>$0.10575</td>
<td>$0.08044</td>
</tr>
<tr>
<td>All over 1,000 kWh</td>
<td>$0.10575</td>
<td>$0.04536</td>
</tr>
</tbody>
</table>

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.

#### ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. TERM – Tax Expense Revision Mechanism

#### MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.
RATE RS – RESIDENTIAL SERVICE (continued)

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and any applicable adjustment clauses and riders included in this electric tariff schedule.
RATE GE – GENERAL ENERGY SERVICE

AVAILABLE

Service under this rate is available to any Residential customer with annual usage greater than 50,000 kWh and any Non-Residential Iowa Customer. This service is not available for resale, standby or supplemental service.

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single- or three-phase, at secondary voltages offered by the Company, and as further described in the Company’s terms and conditions.

NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Basic Service Charge:</th>
<th>$10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Charge:</td>
<td>Per kWh</td>
</tr>
<tr>
<td>Summer</td>
<td></td>
</tr>
<tr>
<td>First 5,000 kWh</td>
<td>$ 0.09870</td>
</tr>
<tr>
<td>Over 5,000 kWh</td>
<td>$ 0.08909</td>
</tr>
<tr>
<td>Surcharge for kWh over 40,000</td>
<td>$ 0.01790</td>
</tr>
<tr>
<td>Winter</td>
<td></td>
</tr>
<tr>
<td>First 5,000 kWh</td>
<td>$ 0.07056</td>
</tr>
<tr>
<td>Over 5,000 kWh</td>
<td>$ 0.04339</td>
</tr>
<tr>
<td>Surcharge for kWh over 40,000</td>
<td>$ 0.02834</td>
</tr>
</tbody>
</table>

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.
RATE GE – GENERAL ENERGY SERVICE (continued)

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI - Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantity shall be the basis of billing the charges hereunder.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and any applicable adjustment clauses and riders included in this electric tariff schedule.
**RATE GD – GENERAL DEMAND SERVICE**

**AVAILABLE**

Service under this rate is available to any Non-Residential Iowa Customer. This service is not available for resale, standby or supplemental service.

**APPLICATION**

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

**CHARACTER OF SERVICE**

Alternating current, 60 Hz, single- or three-phase, at secondary voltages offered by the Company, and as further described in the Company’s terms and conditions.

**NET MONTHLY RATE PER METER**

<table>
<thead>
<tr>
<th></th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Service Charge:</strong></td>
<td>$20.00</td>
<td></td>
</tr>
<tr>
<td><strong>Energy Charge:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First 200 hours x kW of Demand</td>
<td>$0.07146</td>
<td>$0.03767</td>
</tr>
<tr>
<td>Next 200 hours x kW of Demand</td>
<td>$0.06118</td>
<td>$0.03662</td>
</tr>
<tr>
<td>Over 400 hours x kW of Demand</td>
<td>$0.05433</td>
<td>$0.03558</td>
</tr>
<tr>
<td><strong>Demand Charge:</strong></td>
<td>Summer</td>
<td>Winter</td>
</tr>
<tr>
<td>Per kW</td>
<td>$7.07</td>
<td>$6.77</td>
</tr>
</tbody>
</table>

**Transformer Ownership Credit:** $0.30 per kW

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.
RATE GD – GENERAL DEMAND SERVICE (continued)

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

BILLING DEMAND

The billing demand for any month as shown by or computed from the readings of the Company’s demand meter for the 15-minute period of the customer’s greatest use during the month, determined to the nearest kW, but not less than 10 kW.

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge and billing demand charges for the Billing Demand for that month.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.
RATE GD – GENERAL SERVICE DEMAND (continued)

TRANSFORMER OWNERSHIP CREDIT

Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit, listed above, per kW of billing demand.

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered demand and energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantities shall be the basis of billing the charges hereunder.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RATE LS – LARGE ELECTRIC SERVICE

AVAILABLE

Service under this rate is available to any Non-Residential Iowa Customer. This service is available to standby or supplementary service, under written agreement only, in conjunction with applicable Company riders for such service.

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single-or three-phase, at secondary voltages offered by the Company, and as further described in the Company’s terms and conditions.

NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Service Description</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Service Charge</td>
<td>$ 175.00</td>
<td></td>
</tr>
<tr>
<td>Energy Charge:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>First 200 hours x kW of Demand</td>
<td>$ 0.07088</td>
<td>$ 0.03619</td>
</tr>
<tr>
<td>Next 200 hours x kW of Demand</td>
<td>$ 0.06069</td>
<td>$ 0.03519</td>
</tr>
<tr>
<td>Over 400 hours x kW of Demand</td>
<td>$ 0.05389</td>
<td>$ 0.03419</td>
</tr>
<tr>
<td>Demand Charge:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Per kW</td>
<td>$ 4.81</td>
<td>$ 4.56</td>
</tr>
<tr>
<td>Reactive Demand Charge:</td>
<td>$ 0.50 per kVar</td>
<td></td>
</tr>
<tr>
<td>Transformer Ownership Credit:</td>
<td>$ 0.30 per kW</td>
<td></td>
</tr>
</tbody>
</table>

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.
RANGE LS – LARGE ELECTRIC SERVICE (continued)

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

BILLING DEMAND

The billing demand for any month as shown by or computed from the readings of the Company's demand meter for the 15-minute period of the customer's greatest use during the month, determined to the nearest kW, but not less than 200 kW.

REACTIVE DEMAND CHARGE

A reactive demand charge shall be made for each kVar by which the customer's maximum reactive demand in kVar is greater than 50 percent of the customer's maximum kW demand in the same month.
RATE LS – LARGE ELECTRIC SERVICE (continued)

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge and billing demand charges for the Billing Demand for that month.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

TRANSFORMER OWNERSHIP CREDIT

Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit, listed above, per kW of billing demand.

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered demand and energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantities shall be the basis of billing the charges hereunder.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RATE SS – SUBSTATION SERVICE

AVAILABLE

Service under this rate is available to any Non-Residential Iowa customer as follows:

- For demands up to 15,000 kW when served directly from a Company-owned substation that is on or directly adjacent to the customer’s Premises and operates at a primary voltage of 69 kV or greater.
- For demands up to 3,000 kW when served directly from a customer-owned substation that is on or directly adjacent to the customer’s Premises and operates at a primary voltage of 69 kV or greater.

This service is available to standby or supplementary service, under written agreement only, in conjunction with applicable Company riders for such service.

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

CHARACTER OF SERVICE

Alternating current, 60 Hz, three-phase, at substation voltages. The Company, in its sole discretion, shall determine whether the Customer’s Premises should be directly served from a substation.
## RATE SS – SUBSTATION SERVICE

### NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Component</th>
<th>Summer</th>
<th>Winter</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Service Charge</td>
<td>$175.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy Charge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>First 200 hours x kW of Demand</td>
<td>$0.06950</td>
<td>$0.03552</td>
<td>I/R</td>
</tr>
<tr>
<td>Next 200 hours x kW of Demand</td>
<td>$0.05952</td>
<td>$0.03453</td>
<td>I/R</td>
</tr>
<tr>
<td>Over 400 hours x kW of Demand</td>
<td>$0.05286</td>
<td>$0.03356</td>
<td>I/R</td>
</tr>
<tr>
<td>Demand Charge</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Per kW</td>
<td>$3.00</td>
<td>$2.75</td>
<td>I/I</td>
</tr>
<tr>
<td>Reactive Demand Charge</td>
<td>$0.50 per kVar</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
RATE SS – SUBSTATION SERVICE (continued)

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

BILLING DEMAND

The billing demand for any month as shown by or computed from the readings of the Company’s demand meter for the 15-minute period of the customer’s greatest use during the month, determined to the nearest kW, but not less than 200 kW.

REACTIVE DEMAND CHARGE

A reactive demand charge shall be made for each kVar by which the customer’s maximum reactive demand in kVar is greater than 50 percent of the customer’s maximum kW demand in the same month.
MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge and billing demand charges for the Billing Demand for that month.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RATE ICR – INDIVIDUAL CUSTOMER RATE

AVAILABLE

Service under this rate is available under written agreement for customers that meet the one of the two following conditions:

- Customer has a demand of 15,000 kW or greater.
- Service is supplied by a customer-owned substation that is on or directly adjacent to the customer’s Premises, operating at 69 kV or above and customer has a demand of 3,000 kW or greater.

Availability Based on 15,000 kW

Availability for current, continuing and future customers under this rate shall be based on one of the following:

- Current customer demand of 15,000 kW or greater for each of six (6) consecutive months.
- Current customer with an estimated future demand of 15,000 kW or greater resulting from expansion and/or growth that can substantiate a demand of 15,000 kW or greater to the satisfaction of the Company.
- Applicant for electric service with an estimated demand of 15,000 kW or greater that can substantiate a demand of 15,000 kW or greater to the satisfaction of the Company.
- Customer can substantiate to the satisfaction of the Company, a continuing and sustained demand over 15,000 kW.

Availability Based on Transmission Service

Availability for current, continuing and future customers under this rate shall be based on each of the following:

- The customer’s electric service is provided by a substation owned by the customer.
- The primary voltage of the customer-owned substation is 69 kV or greater.
- The customer’s demand is 3,000 kW or greater.
RATE ICR – INDIVIDUAL CUSTOMER RATE (continued)

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises. Applicable to standby or supplementary service under written agreement with the Company and in compliance with Company’s applicable terms, conditions, and riders for such service.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single- or three-phase, at secondary, primary, or transmission voltages offered by the Company, and as further described in the Company’s terms and conditions.

NET MONTHLY RATE PER METER

Basic Service Charge* $2,400.00

Demand Charge* varies

Energy Charge*

<table>
<thead>
<tr>
<th>Type</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Peak</td>
<td>$0.15820</td>
<td>$0.03396</td>
</tr>
<tr>
<td>All Other</td>
<td>0.05081</td>
<td>0.03396</td>
</tr>
<tr>
<td>Off-Peak</td>
<td>0.03028</td>
<td>0.03066</td>
</tr>
</tbody>
</table>

*The above basic service charge and energy charges and customer-specific cost-based demand charges are the default option for this rate and will apply unless other cost-based charges have been negotiated with the Customer. Optional cost-based charges may be offered to a Customer unless the Company determines that the offering of such optional charges has resulted in a significant decrease in revenues per kWh received from the Customer.

Reactive Demand Charge: $0.50 per kVar
RATE ICR – INDIVIDUAL CUSTOMER RATE (continued)

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.

On-Peak Hours: Hours between 1:00 p.m. and 6:00 p.m. Monday through Friday.

Off-Peak Hours: Hours between 10:00 p.m. and 8:00 a.m. every day.

All Other Hours: All hours not included in the definition of On-Peak or Off-Peak Hours.


ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to the following adjustments:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. TERM – Tax Expense Revision Mechanism

N
RATE ICR – INDIVIDUAL CUSTOMER RATE (continued)

REACTIVE DEMAND CHARGE

A reactive demand charge shall be made for each kVar by which the customer’s maximum reactive demand in kVar is greater than 50 percent of the customer’s maximum kW demand in the same month.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

CONTRACT

The obligations hereunder of the customer and the Company shall commence on the date electric service is first rendered to the customer and shall continue as long as the customer meets the conditions listed under “Available” of this tariff rate. Terms of the agreement shall include:
- Service point
- Delivery characteristics
- Delivery voltage
- Facilities provided by Company
- Facilities provided by the customer
- Net Monthly Rates for electric service
- Minimum bill
RATE ICR – INDIVIDUAL CUSTOMER RATE (continued)

LOAD GROWTH REQUIRING FACILITY CHANGES

In the event a customer with a contract under Rate ICR requires power beyond the current capabilities of the Company’s facilities available to serve the customer’s load, the customer shall notify the Company no less than 12 months in advance of the needed additional load. The Company shall determine the requirements to serve such additional load and establish revised cost-based rates reflecting changes in cost to serve the new total load.

TERM AND TERMINATION

In the event a Rate ICR customer’s load drops below 15,000 kW for 12 consecutive months and the customer is not served at transmission voltage, such customer shall be ineligible for Rate ICR, and the Company shall terminate the customer’s Rate ICR contract effective the following billing period. The customer shall be required to elect an alternate rate for which the customer is qualified to take electric service from the Company. Should the customer fail to elect an alternate rate, the Company shall select and bill the customer on an electric rate for which the customer qualifies effective with the following billing period.

CONFIDENTIALITY

All terms and conditions of any service agreement under this rate schedule and any supporting information shall be protected from disclosure as confidential.

IUB REVIEW AND APPROVAL

The rates, riders, terms and conditions applicable to Rate ICR are subject to modification by the IUB or any other agency that has jurisdiction and such modifications shall apply to service hereunder.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RATE MWP– MUNICIPAL WATER PUMPING SERVICE

AVAILABLE

Service under this rate is available in Iowa. This service is not available for resale, standby, supplemental or temporary service.

APPLICATION

To all electric service required for municipal water and sewage pumping and treatment plants, by municipal, county, state and federal governments or agencies, subject to applicable terms and conditions of the Company's Electric Service Policies.

CHARACTER OF SERVICE

Alternating current; 60 Hz, single or three phase, at nominal voltages offered by the Company, as further described in Company's Electric Service Policies.

NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Basic Service Charge:</th>
<th>$10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Charge: Summer</td>
<td>$0.08370</td>
</tr>
<tr>
<td>Energy Charge: Winter</td>
<td>$0.05134</td>
</tr>
</tbody>
</table>

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.
RATE MWP– MUNICIPAL WATER PUMPING SERVICE (continued)

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EEKR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.
RATE MWP– MUNICIPAL WATER PUMPING SERVICE (continued)

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantity shall be the basis of billing the charges hereunder.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and any applicable adjustment clauses and riders included in this electric tariff schedule.
RATE TC – TRAFFIC CONTROL SERVICE

AVAILABLE

Service under this rate is available in Iowa. This service is not available for resale, standby, supplemental or temporary service.

APPLICATION

To all electric service required for traffic control signals and flashers by municipal, county, state and federal governments or agencies, subject to applicable terms and conditions of the Company's Electric Service Policies.

CHARACTER OF SERVICE

Alternating current; 60Hz, single phase, 120v, or 120/240v, or 120/208v, as further described in Company's Electric Service Policies.

NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Basic Service Charge:</th>
<th>$ 10.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Charge:</td>
<td>Per kWh</td>
</tr>
<tr>
<td>All kWh</td>
<td>$ 0.05977</td>
</tr>
</tbody>
</table>
RANGE TC – TRAFFIC CONTROL SERVICE (continued)

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. TERM – Tax Expense Revision Mechanism

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantity shall be the basis of billing the charges hereunder.
GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and any applicable adjustment clauses and riders included in this electric tariff schedule.
RATE SL – STREET LIGHTING

AVAILABLE

Availability is on a permanent and continuing basis to municipalities or other divisions or agencies of state or federal government for the purpose of lighting public streets, highways, and other outdoor areas freely accessible to the public and by Company service vehicles. A proper written request from the municipality or government body is required prior to initial installation or changes. This service is not available to homeowner associations.

Light-emitting diode (LED) is the Company standard for all new or replacement Company-owned street lighting. If there is an LED available with comparable light performance, the LED will be installed.

Beginning June 1, 2015, subject to customer approval and at no cost to the customer, the Company will begin to replace Company-owned non-LED street lights requiring significant maintenance with a comparable LED fixture. If the customer requests replacement before significant maintenance is required, the Company will charge the customer $100 per fixture for accelerated replacement.

TIME SCHEDULES FOR STREET LIGHTS

Company-owned and customer-owned street lights are considered to be dusk-to-dawn operation and by a photo-electric device actuated by intensity of natural light. The total estimated time of operation is 4,200 hours annually.

Metered lighting systems will be billed at the applicable general service price.

COMPANY-OWNED LIGHTING

Company-owned lights and lighting systems to be supplied hereunder shall be at locations of existing installations and at new locations where requested by the municipality or government body. Such additional installations will be made by the Company upon receipt of written order from the municipality or government body, provided, however, any line extension required shall not exceed one span of overhead secondary. Longer secondary line extensions and additional facilities required to provide service will be subject to the terms of “Expansion of Electrical System” of this tariff.
COMPANY-OWNED LIGHTING (continued)

Service includes installation of standard Company-owned lighting, specified below, operating and maintenance of the lighting system, in addition to the supply of required electricity. All maintenance of lighting equipment will be done only during normal working hours within a reasonable period following notification by the customer of the need for such maintenance. Permits or extra maintenance personnel or equipment required for maintenance shall be billed at direct cost plus applicable overheads.

The type and kind of system will be in accordance with Company standards and specifications.

COMPANY-OWNED LIGHTING INSTALLED ON BRIDGES

The customer will be responsible for installing, owning and maintaining the foundation, anchor bolts, and conduit for such lighting. The design and construction must meet the applicable state and local codes. The location and size of the customer-owned bridge lighting facilities shall be approved by the Company prior to such construction. The customer will be assigned the applicable Company-owned non-wood overhead pole street lighting rate (Tables SL B2 and SL B3). All general terms and conditions of Street Lighting shall be applicable to this service.

The lighting rate assigned to the customer will cover standard street light maintenance. All incremental maintenance costs associated with bridge lighting will be directly billed to and paid for by the customer. Incremental maintenance costs are intended to include maintenance costs that are not part of normal routine maintenance under services provided under applicable street light tariffs. Incremental maintenance costs shall include, but not be limited to, costs for additional safety measures, overtime pay if maintenance is required to be performed outside of normal business hours, cost of contract crews if needed to utilize special equipment to provide maintenance services, and costs of local and state assistance such as from law enforcement or transportation officials. In addition, the costs related to additional insurance coverage specifically related to such work will be billed to the customer.
COMPANY-OWNED LIGHTING NET MONTHLY RATES

A. Applicable monthly charges identified in the following tables are for lamp and fixtures on an existing standard wood distribution pole mounted on a mast-arm, with overhead wiring and one span of secondary voltage conductor served from available transformation and operated on a dusk-to-dawn schedule. These charges also apply to other Company-owned installations where a contribution in aid of construction has been paid in advance, resulting in a comparable cost installation. These charges are subject to adjustment clauses and riders specified herein.

1. High Pressure Sodium (HPS) or Mercury Vapor (MV) Lighting

<table>
<thead>
<tr>
<th>Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 W</td>
<td>33</td>
<td>See Table SL A1</td>
</tr>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table SL A2</td>
</tr>
<tr>
<td>150 W</td>
<td>68</td>
<td>See Table SL A3</td>
</tr>
<tr>
<td>175 W</td>
<td>75</td>
<td>See Table SL A4</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Table SL A5</td>
</tr>
<tr>
<td>400 W</td>
<td>165</td>
<td>See Tables SL A6 and SL A7</td>
</tr>
</tbody>
</table>

High pressure sodium and mercury vapor are not available for new installations and shall be replaced with light emitting diode (LED) at no cost to the customer when significant maintenance is required.

2. Light Emitting Diode (LED) Lighting

<table>
<thead>
<tr>
<th>Comparable</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPS 100 W</td>
<td>16</td>
<td>7.28</td>
</tr>
<tr>
<td>HPS 150 W</td>
<td>32</td>
<td>8.81</td>
</tr>
<tr>
<td>HPS 250 W</td>
<td>42</td>
<td>10.02</td>
</tr>
<tr>
<td>HPS 400 W</td>
<td>75</td>
<td>11.56</td>
</tr>
</tbody>
</table>

LED lighting is available for new installations or existing systems that have been evaluated for the differences in lighting levels, mounting heights, and patterns associated with LED lighting. The customer shall be responsible for the evaluation and any appropriate lighting system design changes and its compliance with any and all applicable lighting specifications and standards.
COMPANY-OWNED LIGHTING NET MONTHLY RATES (continued)

If the customer requires the Company to install lighting that requires installation of transformation and/or an overhead secondary extension greater than one span, the customer will be required to pay the Company a contribution in aid of construction, grossed up for income taxes, to cover the cost of such facilities.

B. Pole Charges

For each standard wood pole required in addition to existing wood distribution poles used for street lighting, the customer will be required to pay the Company a contribution in aid of construction at the time of installation or replacement for the full cost of the wood pole; such contribution shall be grossed up for income taxes. These payments shall not be subject to refund.

When the customer requests a non-wood pole, the applicable monthly charges identified on the following table shall apply. These charges are subject to adjustment clauses and riders specified herein.

<table>
<thead>
<tr>
<th>Pole Type</th>
<th>Monthly Rate per Non-Wood Pole or Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-Wood Pole</td>
<td>See Tables SL B1, SL B2 and SL B3</td>
</tr>
</tbody>
</table>

In lieu of a monthly non-wood pole charge, the customer shall have the option of paying the Company a contribution in aid of construction at the time of installation or replacement for the full cost of the non-wood pole. If the customer exercises this option, the customer will be required to pay the Company a contribution in aid of construction for the incremental cost of the underground circuit over the equivalent cost of an overhead secondary span. Such contributions shall be grossed up for income taxes and shall not be subject to refund. If the customer pays an upfront contribution to the Company for a non-wood pole and an underground circuit, the monthly charge for the fixture on the non-wood pole served underground will be the base rate from Section A.

Lighting systems existing prior to July 31, 2014 which fulfilled previous tariff requirements regarding upfront contributions will be charged the base rate from Section A.
COMPANY-OWNED LIGHTING NET MONTHLY RATES (continued)

B. Pole Charges (continued)

If the customer requires the Company to install luminaires at a mounting height greater than can be achieved on existing wood poles, the customer will be required to pay the Company a contribution in aid of construction to cover the cost of changing the pole to taller heights and/or rearranging the facilities; any additional maintenance costs incurred as a result of higher mounting heights shall be billed at direct cost plus applicable overheads.
RATE SL – STREET LIGHTING (continued)

COMPANY-OWNED LIGHTING NET MONTHLY RATES (continued)

C. Circuit Charges

Installation of underground service to wood poles is only available in municipalities or other divisions or agencies of state or federal governments that permit such installations and must meet any applicable state and local codes.

When the customer requires underground service to non-wood poles for street lighting, the applicable monthly charges identified on the following tables shall apply. These charges are subject to adjustment clauses and riders specified herein.

| Underground Circuit | See Tables SL C1, SL C2, SL C3, and SL C4 |

In lieu of a monthly underground circuit charge, the customer shall have the option of paying the Company a contribution in aid of construction at the time of installation or replacement for the incremental cost of the underground circuit over the equivalent cost of an overhead secondary span. If the customer exercises this option, the customer will be required to pay the Company a contribution in aid of construction for the full cost of the non-wood pole associated with that underground circuit. Such contributions shall be grossed up for income taxes and shall not be subject to refund. If the customer pays an upfront contribution to the Company for an underground circuit and a non-wood pole, the monthly charge for the fixture served underground on the non-wood pole will be the base rate from Section A.

Lighting systems existing prior to July 31, 2014 which fulfilled previous tariff requirements regarding upfront contributions will be charged the base rate from Section A.

When existing 120-volt overhead service is not available for use with the desired lights, a charge will apply to install transformation and circuit. Any special requirements including but not limited to conduit shall be paid by the customer at the time of installation, billed as a contribution in aid of construction. The contributions shall be based upon actual installation costs and shall be grossed up for income taxes. These payments shall not be subject to refund.
D. Decorative Lighting and Twin Lighting

1. For decorative lamp and fixtures mounted on a non-wood pole served by underground conductor, the applicable monthly charges identified on the following tables shall apply. These charges are subject to adjustment clauses and riders specified herein.

   a. High Pressure Sodium (HPS) Decorative Lighting – Not available for new installations on or after May 28, 2021

      | HPS Lamp Size | kWh | Monthly Rate per Fixture |
      |--------------|-----|--------------------------|
      | 100 W        | 47  | See Table SL D1          |
      | 150 W        | 68  | See Table SL D1          |
      | 250 W        | 108 | See Table SL D1          |

   b. Light Emitting Diode (LED) Decorative Lighting – 100 W

      Comparable HPS – Monthly rate per fixture

      | Colonial | Victorian | Washington |
      | 18 kWh  | 18 kWh  | 16 kWh    |
      | COL     | VIC     | WAS       |
      | To December 31, 2021 | $ 29.23 | $ 29.23 | $ 38.57 |
      | To December 31, 2022 | $ 29.95 | $ 29.95 | $ 39.29 |
      | To December 31, 2023 | $ 30.67 | $ 30.67 | $ 40.01 |

   In lieu of a monthly decorative lighting charge, the customer shall have the option of paying the Company a contribution in aid of construction at the time of installation or replacement based on the incremental cost above the comparable lamp and fixture in Section A; such contribution shall be grossed up for income taxes. These payments shall not be subject to refund. If the customer pays an upfront contribution to the Company for decorative lighting, the monthly charge will be the base rate from Section A.
COMPANY-OWNED LIGHTING NET MONTHLY RATES (continued)

2. For two (2) lamps and fixtures mounted on a single non-wood pole served by underground conductor, the applicable monthly charges identified on the following tables shall apply. These charges are subject to adjustment clauses and riders specified herein.

a. High Pressure Sodium (HPS) Twin Lighting – Not available for new installations on or after May 28, 2021

<table>
<thead>
<tr>
<th>HPS Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table SL D2</td>
</tr>
<tr>
<td>150 W</td>
<td>68</td>
<td>See Table SL D2</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Table SL D2</td>
</tr>
<tr>
<td>400 W</td>
<td>165</td>
<td>See Table SL D2</td>
</tr>
</tbody>
</table>

b. Light Emitting Diode (LED) Twin Lighting

<table>
<thead>
<tr>
<th>Comparable HPS</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 W</td>
<td>16</td>
<td>See Table SL D3</td>
</tr>
<tr>
<td>150 W</td>
<td>32</td>
<td>See Table SL D3</td>
</tr>
<tr>
<td>250 W</td>
<td>42</td>
<td>See Table SL D3</td>
</tr>
<tr>
<td>400 W</td>
<td>75</td>
<td>See Table SL D3</td>
</tr>
</tbody>
</table>

In lieu of a monthly twin lighting charge, the customer shall have the option of paying the Company a contribution in aid of construction at the time of installation or replacement based on the incremental cost above the comparable lamp and fixture in Section A; such contribution shall be grossed up for income taxes. These payments shall not be subject to refund. If the customer pays an upfront contribution to the Company for twin lighting, the monthly charge will be two (2) times the base rate from Section A.
CUSTOMER-OWNED LIGHTING SYSTEMS

The following is required for customer-owned systems:

- A proper written request from the municipality or government body is required prior to initial installation or changes to existing installations and all lights installed after May 28, 2021 must fall within one of the Company’s existing energy only rates in this tariff.
- Customer-owned lights installed after May 28, 2021 will be installed, owned and maintained by the customer, including poles, luminaries, and photo controls, together with all necessary cable extending between the customer-owned facilities and to points of connection to Company’s facilities as designated and approved by the Company.
- The electrical connection at the point of delivery shall be made by the Company.
- Customer-owned systems must meet all appropriate electrical codes.
- Customer-owned group-operated street lights shall have mounting heights of 35 feet or less. For customer-owned lights installed after May 28, 2021, the Company shall furnish only electric energy. For customer-owned lights installed on or before May 28, 2021, the Company may furnish electric only, or electric energy and lamp replacements until such time replacement materials are no longer available.
- All maintenance of lighting equipment will be done only during normal working hours within a reasonable period following notification by the customer of the need for such maintenance.
- Permits or extra maintenance personnel or equipment required for connections or maintenance shall be billed at direct cost plus applicable overheads.
- Maintenance on existing customer-owned lights installed on or before May 28, 2021 will continue with materials limited to high pressure sodium lamps and individual light photo controls only until such time the replacement materials are no longer available. Extra maintenance materials or equipment required for maintenance shall be billed at direct cost plus applicable overheads. Existing customers on rates that include maintenance for customer-owned lights will be given the option to transition to energy only rates for LED lights as the HPS bulbs become unavailable.
CUSTOMER-OWNED LIGHTING NET MONTHLY RATES

Applicable monthly charges identified on the following tables are for Customer-owned lighting systems. These charges are subject to adjustment clauses and riders specified herein.

E. Energy Only

<table>
<thead>
<tr>
<th>HPS/MV/MH Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 W</td>
<td>33</td>
<td>See Table SL E1</td>
</tr>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table SL E2</td>
</tr>
<tr>
<td>150 W</td>
<td>68</td>
<td>See Table SL E3</td>
</tr>
<tr>
<td>175 W</td>
<td>75</td>
<td>See Table SL E4</td>
</tr>
<tr>
<td>200 W</td>
<td>102</td>
<td>See Table SL E5</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Tables SL E5 and E6</td>
</tr>
<tr>
<td>400 W</td>
<td>165</td>
<td>See Table SL E7</td>
</tr>
<tr>
<td>1,000 W</td>
<td>385</td>
<td>See Table SL E8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LED Fixture Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-39.9 W</td>
<td>8.6</td>
<td>0.44</td>
</tr>
<tr>
<td>40-69.9 W</td>
<td>19.1</td>
<td>0.99</td>
</tr>
<tr>
<td>70-99.9 W</td>
<td>29.6</td>
<td>1.53</td>
</tr>
<tr>
<td>100-129.9 W</td>
<td>40.1</td>
<td>2.07</td>
</tr>
<tr>
<td>130-159.9 W</td>
<td>50.6</td>
<td>2.61</td>
</tr>
<tr>
<td>160-189.9 W</td>
<td>61.1</td>
<td>3.16</td>
</tr>
<tr>
<td>190-219.9 W</td>
<td>71.6</td>
<td>3.70</td>
</tr>
<tr>
<td>220-249.9 W</td>
<td>82.1</td>
<td>4.24</td>
</tr>
</tbody>
</table>

F. Energy and Maintenance – Not available for new installations on or after May 28, 2021

<table>
<thead>
<tr>
<th>HPS/MV/MH Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 W</td>
<td>33</td>
<td>See Table SL F1</td>
</tr>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table SL F1</td>
</tr>
<tr>
<td>150 W</td>
<td>68</td>
<td>See Table SL F2</td>
</tr>
<tr>
<td>175 W</td>
<td>75</td>
<td>See Table SL F3</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Table SL F4</td>
</tr>
<tr>
<td>400 W</td>
<td>165</td>
<td>See Table SL F5</td>
</tr>
<tr>
<td>1,000 W</td>
<td>385</td>
<td>See Table SL F6</td>
</tr>
</tbody>
</table>
### CUSTOMER-OWNED LIGHTING NET MONTHLY RATES (continued)

#### G. Maintenance Only*

<table>
<thead>
<tr>
<th>HPS Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 W</td>
<td>33</td>
<td>See Table SL G1</td>
</tr>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table SL G1</td>
</tr>
<tr>
<td>150 W</td>
<td>68</td>
<td>See Table SL G1</td>
</tr>
</tbody>
</table>

*This service is not available to new lighting installations after July 31, 2014.*
ADJUSTMENT CLAUSES AND RIDERS

The above net monthly rates for Company-owned and customer-owned lighting are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. MC – Mitigation Cost Recovery Adjustment
6. TERM – Tax Expense Revision Mechanism

MONTHLY BILLING

Metered lighting will follow normal reading cycles and billing periods. Unmetered lighting will follow the same cycles and billing periods with this exception: unmetered lighting will be billed for monthly payments adjusted by the burn-hours factor regardless of the number of days in the billing period.

Bills for service shall be rendered monthly. Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not paid in full by the due date, a late payment charge of 1.5 percent of the unpaid balance is added to the next bill.
RELOCATIONS AND CONVERSIONS

Relocations Not Associated with Road Work.

As permitted by law, the customer shall pay for the cost of relocation of any part of a lighting system as a contribution in aid of construction when requested by the customer. The contribution in aid of construction shall be the work order cost of removing the existing lighting system, labor cost to install the new lighting system, less any salvage credit. The contribution in aid of construction shall be grossed up for income taxes.

Relocations Associated with Road Work.

Overhead to Underground Conversion. When requested by the customer and in accordance with legal and regulatory requirements, the customer shall pay for the cost of conversion as a contribution in aid of construction for facilities that are converted from overhead to underground. The contribution in aid of construction shall be the incremental cost associated with work order cost of overhead facilities and underground facilities and shall be grossed up for income taxes and the monthly charge will be the base rate explained in Section A of the Street Lighting Tariff and shown in Section A of the Street Lighting Tables.

If the customer chooses to pay the non-wood pole served underground rate or the decorative or twin rate as explained in Sections C and D of the Street Lighting Tariff and shown in Sections C and D of the Street Lighting Tables, no contribution in aid of construction for the conversion cost is required from the customer.

Overhead to Overhead or Underground to Underground. In accordance with legal and regulatory requirements, the customer shall not be billed for relocation of facilities that do not require conversion.
GENERAL

Vandalism. The Company reserves the right to remove any fixture or fixtures in any location that has continuous vandalism.

Access. Where Company owned facilities are located on customer's property, the customer will provide reasonably safe and convenient access to its facilities for Company personnel and equipment for the purpose of maintenance and inspection. Property owners may be required to grant the necessary easements for the lighting system(s) prior to the installation of the system(s). The Company shall be permitted to enter the customer's premises at all reasonable times for the purpose of inspection, maintenance, and removal of its equipment and facilities.

Lighting Requirements. The customer shall be responsible for ensuring the street lighting systems meet any applicable lighting standards and requirements, such as standards promulgated by Illuminating Engineering Society (IES) and/or Iowa Department of Transportation (IDOT); the Company will locate street lights where indicated by written request of the customer.

Indemnification. The customer shall indemnify and hold harmless the Company from and against any and all liability for injuries or damages to persons or property arising from or resulting from any lighting, requested by the customer or third party, which does not conform to the IES or IDOT recommended practices or requirements.

Service hereunder is subject to the Rules and Regulations of the Company and applicable Riders included in this electric tariff schedule.
RATE SL – STREET LIGHTING (continued)

STREET LIGHTING TABLES – COMPANY-OWNED

A. Applicable monthly charges shown are by former price zone and price code and are subject to adjustment clauses and riders herein. High pressure sodium applications shown below in tables SL A1 – SL A3, SL A5 and SL A7 are limited to those applications installed before May 28, 2021.

Table SL A1
70W Company-Owned Lighting
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th>70W HPS*</th>
<th>South-WSA, WSJ, and HWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>8.23</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>8.42</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>8.61</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>8.50</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>8.40</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>8.29</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>8.18</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>8.07</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>7.97</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>7.86</td>
</tr>
</tbody>
</table>

*Not available in former East and North price zones.

Table SL A2
100W Company-Owned Lighting
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th>100W HPS</th>
<th>East-EMK</th>
<th>North-HW2</th>
<th>South-WSB and HWB</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>10.70</td>
<td>6.32</td>
<td>9.07</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>10.80</td>
<td>6.76</td>
<td>9.29</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>10.89</td>
<td>7.20</td>
<td>9.51</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>10.59</td>
<td>7.43</td>
<td>9.41</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>10.28</td>
<td>7.65</td>
<td>9.30</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>9.98</td>
<td>7.88</td>
<td>9.20</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>9.68</td>
<td>8.10</td>
<td>9.09</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>9.38</td>
<td>8.32</td>
<td>8.99</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>9.08</td>
<td>8.55</td>
<td>8.88</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>8.77</td>
<td>8.77</td>
<td>8.77</td>
</tr>
</tbody>
</table>
### STREET LIGHTING TABLES – COMPANY-OWNED (continued)

#### Table SL A3
150W Company-Owned Lighting
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>150W HPS East-EML</th>
<th>150W HPS North-HF3</th>
<th>150W HPS South-WSC</th>
<th>150W HPS South-HWC</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Dec 31, 2014</td>
<td>11.56</td>
<td>10.64</td>
<td>10.64</td>
<td>10.64</td>
</tr>
<tr>
<td>To Dec 31, 2015</td>
<td>11.73</td>
<td>10.89</td>
<td>10.90</td>
<td>10.89</td>
</tr>
<tr>
<td>To Dec 31, 2016</td>
<td>11.91</td>
<td>11.14</td>
<td>11.15</td>
<td>11.14</td>
</tr>
<tr>
<td>To Dec 31, 2017</td>
<td>11.67</td>
<td>11.01</td>
<td>11.02</td>
<td>11.01</td>
</tr>
<tr>
<td>To Dec 31, 2018</td>
<td>11.43</td>
<td>10.88</td>
<td>10.88</td>
<td>10.88</td>
</tr>
<tr>
<td>To Dec 31, 2019</td>
<td>11.19</td>
<td>10.75</td>
<td>10.75</td>
<td>10.75</td>
</tr>
<tr>
<td>To Dec 31, 2020</td>
<td>10.95</td>
<td>10.62</td>
<td>10.62</td>
<td>10.62</td>
</tr>
<tr>
<td>To Dec 31, 2021</td>
<td>10.71</td>
<td>10.49</td>
<td>10.49</td>
<td>10.49</td>
</tr>
<tr>
<td>To Dec 31, 2022</td>
<td>10.47</td>
<td>10.36</td>
<td>10.36</td>
<td>10.36</td>
</tr>
<tr>
<td>To Dec 31, 2023</td>
<td>10.22</td>
<td>10.22</td>
<td>10.22</td>
<td>10.22</td>
</tr>
</tbody>
</table>

#### Table SL A4
175W Company-Owned Lighting
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>175W MV** East-EMB</th>
<th>175W MV** South-MWD</th>
</tr>
</thead>
<tbody>
<tr>
<td>To Dec 31, 2014</td>
<td>11.06</td>
<td>7.86</td>
</tr>
<tr>
<td>To Dec 31, 2015</td>
<td>11.33</td>
<td>8.38</td>
</tr>
<tr>
<td>To Dec 31, 2016</td>
<td>11.60</td>
<td>8.90</td>
</tr>
<tr>
<td>To Dec 31, 2017</td>
<td>11.46</td>
<td>9.15</td>
</tr>
<tr>
<td>To Dec 31, 2018</td>
<td>11.33</td>
<td>9.41</td>
</tr>
<tr>
<td>To Dec 31, 2019</td>
<td>11.20</td>
<td>9.66</td>
</tr>
<tr>
<td>To Dec 31, 2020</td>
<td>11.07</td>
<td>9.92</td>
</tr>
<tr>
<td>To Dec 31, 2021</td>
<td>10.94</td>
<td>10.17</td>
</tr>
<tr>
<td>To Dec 31, 2022</td>
<td>10.81</td>
<td>10.42</td>
</tr>
<tr>
<td>To Dec 31, 2023</td>
<td>10.68</td>
<td>10.68</td>
</tr>
</tbody>
</table>

**Mercury vapor is not available for new installations and shall be replaced at no cost to the customer.
RATE SL – STREET LIGHTING (continued)

STREET LIGHTING TABLES – COMPANY-OWNED (continued)

<table>
<thead>
<tr>
<th>Table SL A5</th>
<th>250W Company-Owned Lighting</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>250W HPS</td>
<td>250W MV**</td>
</tr>
<tr>
<td></td>
<td>East-EMM</td>
<td>East-EMC</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>13.11</td>
<td>12.15</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>13.43</td>
<td>12.54</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>13.74</td>
<td>12.93</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>13.59</td>
<td>12.89</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>13.43</td>
<td>12.85</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>13.28</td>
<td>12.81</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>13.12</td>
<td>12.77</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>12.96</td>
<td>12.73</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>12.81</td>
<td>12.69</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>12.65</td>
<td>12.65</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table SL A6</th>
<th>400W Company-Owned Lighting</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400W MV**</td>
<td>400W MV**</td>
</tr>
<tr>
<td></td>
<td>East-EMD</td>
<td>North-MW7</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>14.08</td>
<td>13.11</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>14.68</td>
<td>13.79</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>15.29</td>
<td>14.47</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>15.40</td>
<td>14.70</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>15.52</td>
<td>14.93</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>15.63</td>
<td>15.16</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>15.74</td>
<td>15.39</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>15.86</td>
<td>15.62</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>15.97</td>
<td>15.85</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>16.08</td>
<td>16.08</td>
</tr>
</tbody>
</table>

**Mercury vapor is not available for new installations and shall be replaced at no cost to the customer.
## STREET LIGHTING TABLES – COMPANY-OWNED (continued)

### Table SL A7

400W Company-Owned Lighting

<table>
<thead>
<tr>
<th></th>
<th>Monthly Rate per Fixture</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>400W HPS East-EMN</td>
<td>15.57</td>
<td>To December 31, 2014</td>
</tr>
<tr>
<td>400W HPS North-HW7</td>
<td>16.02</td>
<td>To December 31, 2014</td>
</tr>
<tr>
<td>400W HPS South-WSE and HWG</td>
<td>18.36</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.05</td>
<td>To December 31, 2015</td>
</tr>
<tr>
<td></td>
<td>16.47</td>
<td>To December 31, 2015</td>
</tr>
<tr>
<td></td>
<td>18.62</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.54</td>
<td>To December 31, 2016</td>
</tr>
<tr>
<td></td>
<td>16.92</td>
<td>To December 31, 2016</td>
</tr>
<tr>
<td></td>
<td>18.88</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.47</td>
<td>To December 31, 2017</td>
</tr>
<tr>
<td></td>
<td>16.80</td>
<td>To December 31, 2017</td>
</tr>
<tr>
<td></td>
<td>18.48</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.41</td>
<td>To December 31, 2018</td>
</tr>
<tr>
<td></td>
<td>16.68</td>
<td>To December 31, 2018</td>
</tr>
<tr>
<td></td>
<td>18.08</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.34</td>
<td>To December 31, 2019</td>
</tr>
<tr>
<td></td>
<td>16.56</td>
<td>To December 31, 2019</td>
</tr>
<tr>
<td></td>
<td>17.68</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.28</td>
<td>To December 31, 2020</td>
</tr>
<tr>
<td></td>
<td>16.44</td>
<td>To December 31, 2020</td>
</tr>
<tr>
<td></td>
<td>17.28</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.21</td>
<td>To December 31, 2021</td>
</tr>
<tr>
<td></td>
<td>16.32</td>
<td>To December 31, 2021</td>
</tr>
<tr>
<td></td>
<td>16.88</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.15</td>
<td>To December 31, 2022</td>
</tr>
<tr>
<td></td>
<td>16.20</td>
<td>To December 31, 2022</td>
</tr>
<tr>
<td></td>
<td>16.48</td>
<td></td>
</tr>
<tr>
<td></td>
<td>16.08</td>
<td>To December 31, 2023</td>
</tr>
<tr>
<td></td>
<td>16.08</td>
<td>To December 31, 2023</td>
</tr>
<tr>
<td></td>
<td>16.08</td>
<td></td>
</tr>
</tbody>
</table>
RATE SL – STREET LIGHTING (continued)

STREET LIGHTING TABLES – COMPANY-OWNED (continued)

B. Non-Wood Poles

1. For lighting configurations that do not have price codes identified herein, pricing will be based on the sum of the applicable lighting price in Section A, pole charges in Table SL B1, and circuit charges in Table SL C1. The prices, below, are subject to adjustment clauses and riders herein.

<table>
<thead>
<tr>
<th>All Price Zones</th>
<th>Monthly Rate per Non-Wood Pole Only</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>11.32</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>12.29</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>13.27</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>13.85</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>14.43</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>15.00</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>15.59</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>16.16</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>16.74</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>17.32</td>
</tr>
</tbody>
</table>
RATE SL – STREET LIGHTING (continued)

STREET LIGHTING TABLES – COMPANY-OWNED (continued)

2. Applicable monthly charges shown are by former price zone and price code and subject to adjustment clauses and riders herein. High pressure sodium applications shown below in table SL B2 and SL B3 are limited to those applications installed before May 28, 2021.

Table SL B2
Company-Owned Lighting on Non-Wood Poles Served Overhead
Bridge Lighting Only
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>70W HPS</th>
<th>100W HPS</th>
<th>150W HPS</th>
<th>175W MV**</th>
<th>250W HPS</th>
<th>400W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td>South-</td>
<td>HSA</td>
<td>South-</td>
<td>HSB</td>
<td>South-</td>
<td>South-</td>
<td>South-</td>
</tr>
<tr>
<td></td>
<td>To December 31, 2015</td>
<td>14.29</td>
<td>15.16</td>
<td>16.77</td>
<td>14.86</td>
<td>22.78</td>
</tr>
<tr>
<td></td>
<td>To December 31, 2016</td>
<td>16.01</td>
<td>16.91</td>
<td>18.54</td>
<td>16.85</td>
<td>24.32</td>
</tr>
<tr>
<td></td>
<td>To December 31, 2017</td>
<td>17.32</td>
<td>18.22</td>
<td>19.83</td>
<td>18.44</td>
<td>25.13</td>
</tr>
<tr>
<td></td>
<td>To December 31, 2020</td>
<td>21.25</td>
<td>22.16</td>
<td>23.69</td>
<td>23.22</td>
<td>27.55</td>
</tr>
<tr>
<td></td>
<td>To December 31, 2021</td>
<td>22.56</td>
<td>23.47</td>
<td>24.97</td>
<td>24.81</td>
<td>28.36</td>
</tr>
<tr>
<td></td>
<td>To December 31, 2022</td>
<td>23.87</td>
<td>24.78</td>
<td>26.26</td>
<td>26.41</td>
<td>29.17</td>
</tr>
<tr>
<td></td>
<td>To December 31, 2023</td>
<td>25.18</td>
<td>26.10</td>
<td>27.55</td>
<td>28.00</td>
<td>29.98</td>
</tr>
</tbody>
</table>

**Mercury vapor is not available for new installations and shall be replaced at no cost to the customer.
### RATE SL – STREET LIGHTING (continued)

### STREET LIGHTING TABLES – COMPANY-OWNED (continued)

#### Table SL B3

<table>
<thead>
<tr>
<th>Company-Owned Lighting on Non-Wood Poles Served Overhead</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bridge Lighting Only</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>LED (100 W comp HPS)</th>
<th>LED (150 W comp HPS)</th>
<th>LED (250 W comp HPS)</th>
<th>LED (400 W comp HPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2015</td>
<td>19.57</td>
<td>21.10</td>
<td>22.31</td>
<td>23.85</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>20.55</td>
<td>22.08</td>
<td>23.29</td>
<td>24.83</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>21.13</td>
<td>22.66</td>
<td>23.87</td>
<td>25.41</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>21.71</td>
<td>23.24</td>
<td>24.45</td>
<td>25.99</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>22.28</td>
<td>23.81</td>
<td>25.02</td>
<td>26.56</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>22.87</td>
<td>24.40</td>
<td>25.61</td>
<td>27.15</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>23.44</td>
<td>24.97</td>
<td>26.18</td>
<td>27.72</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>24.02</td>
<td>25.55</td>
<td>26.76</td>
<td>28.30</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>24.60</td>
<td>26.13</td>
<td>27.34</td>
<td>28.88</td>
</tr>
</tbody>
</table>
C. Underground Service for Company-Owned Lighting

1. For lighting configurations that do not have price codes identified herein, pricing will be based on the sum of the applicable lighting price in Section A, pole charges in Table SL B1, and circuit charges in Table SL C1. The applicable monthly charges are subject to adjustment clauses and riders herein.

<table>
<thead>
<tr>
<th>Table SL C1</th>
<th>New Underground Circuit Only Serving Company-Owned Lighting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(to be combined with prices in Section A and B, if applicable)</td>
</tr>
<tr>
<td></td>
<td>Monthly Rate per Underground Circuit Only</td>
</tr>
<tr>
<td>All Price Zones</td>
<td></td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>2.78</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>3.02</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>3.26</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>3.40</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>3.54</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>3.68</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>3.83</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>3.97</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>4.11</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>4.25</td>
</tr>
</tbody>
</table>
2. The applicable monthly charges shown are by former price zone and price code and are subject to adjustment clauses and riders herein. High pressure sodium applications shown below in tables SL C2 and SL C3 are limited to those applications installed before May 28, 2021.

<table>
<thead>
<tr>
<th>Table SL C2</th>
<th>Company-Owned Lighting on Non-Wood Poles Served by Underground</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monthly Rate per Fixture</td>
</tr>
<tr>
<td></td>
<td>70W HPS</td>
</tr>
<tr>
<td></td>
<td>South-HUA</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>18.90</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>20.57</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>22.24</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>23.27</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>24.30</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>25.32</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>26.35</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>27.38</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>28.40</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>29.43</td>
</tr>
</tbody>
</table>
# RATE SL – STREET LIGHTING (continued)

## STREET LIGHTING TABLES – COMPANY-OWNED (continued)

### Table SL C3

**Company-Owned Lighting on Non-Wood Poles served by Underground**

<table>
<thead>
<tr>
<th>Monthly Rate per Fixture</th>
<th>400W MV**</th>
<th>400W HPS</th>
<th>400W MV ½ Night*</th>
</tr>
</thead>
<tbody>
<tr>
<td>North-MU7</td>
<td>23.78</td>
<td>29.90</td>
<td>33.16</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>25.94</td>
<td>31.57</td>
<td>34.57</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>28.10</td>
<td>33.25</td>
<td>35.99</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>29.47</td>
<td>33.88</td>
<td>36.23</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>30.83</td>
<td>34.51</td>
<td>36.46</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>32.20</td>
<td>35.14</td>
<td>36.70</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>33.56</td>
<td>35.77</td>
<td>36.94</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>34.93</td>
<td>36.40</td>
<td>37.18</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>36.29</td>
<td>37.03</td>
<td>37.42</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>37.65</td>
<td>37.65</td>
<td>37.65</td>
</tr>
</tbody>
</table>

*Not available for new installations after July 31, 2014.*

**Mercury vapor is not available for new installations and shall be replaced at no cost to the customer.**

### Table SL C4

**Company-Owned LED Lighting on Non-Wood Poles served by Underground**

<table>
<thead>
<tr>
<th>Monthly Rate per Fixture</th>
<th>LED (100 W comp HPS)</th>
<th>LED (150 W comp HPS)</th>
<th>LED (250 W comp HPS)</th>
<th>LED (400 W comp HPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-ELA, N-LO2, S-LUB</td>
<td>22.59</td>
<td>24.12</td>
<td>25.33</td>
<td>26.87</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>23.81</td>
<td>25.34</td>
<td>26.55</td>
<td>28.09</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>24.53</td>
<td>26.06</td>
<td>27.27</td>
<td>28.81</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>25.25</td>
<td>26.78</td>
<td>27.99</td>
<td>29.53</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>25.96</td>
<td>27.49</td>
<td>28.70</td>
<td>30.24</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>26.70</td>
<td>28.23</td>
<td>29.44</td>
<td>30.98</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>27.41</td>
<td>28.94</td>
<td>30.15</td>
<td>31.69</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>28.13</td>
<td>29.66</td>
<td>30.87</td>
<td>32.41</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>28.85</td>
<td>30.38</td>
<td>31.59</td>
<td>33.13</td>
</tr>
</tbody>
</table>
RATE SL – STREET LIGHTING (continued)

STREET LIGHTING TABLES – COMPANY-OWNED (continued)

D. The applicable monthly charges are subject to adjustment clauses and riders herein. High pressure sodium applications shown below in tables SL D1 and SL D2 are limited to those applications installed before May 28, 2021.

<table>
<thead>
<tr>
<th>Table SL D1</th>
<th>Company-Owned Decorative Lighting</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100W HPS</td>
<td>150W HPS</td>
</tr>
<tr>
<td></td>
<td>North-HV2</td>
<td>South-HVC</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>17.66</td>
<td>32.40</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>20.21</td>
<td>33.90</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>22.77</td>
<td>35.39</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>24.75</td>
<td>35.73</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>26.74</td>
<td>36.07</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>28.73</td>
<td>36.41</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>30.72</td>
<td>36.75</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>32.71</td>
<td>37.09</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>34.70</td>
<td>37.43</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>36.68</td>
<td>37.77</td>
</tr>
</tbody>
</table>
### RATE SL – STREET LIGHTING (continued)

#### STREET LIGHTING TABLES – COMPANY-OWNED (continued)

**Table SL D2**  
Company-Owned Twin Lighting  
Monthly Rate per Fixture*

<table>
<thead>
<tr>
<th></th>
<th>100W HPS</th>
<th>150W HPS</th>
<th>250W HPS</th>
<th>400W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>South-HTB</td>
<td>South-HTC</td>
<td>South-HTF</td>
<td>South-HTG</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>14.40</td>
<td>18.04</td>
<td>22.99</td>
<td>25.77</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>15.36</td>
<td>18.87</td>
<td>23.68</td>
<td>26.61</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>16.32</td>
<td>19.69</td>
<td>24.38</td>
<td>27.44</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>16.79</td>
<td>19.88</td>
<td>24.24</td>
<td>27.36</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>17.25</td>
<td>20.07</td>
<td>24.11</td>
<td>27.28</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>17.71</td>
<td>20.26</td>
<td>23.98</td>
<td>27.20</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>18.17</td>
<td>20.45</td>
<td>23.84</td>
<td>27.12</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>18.64</td>
<td>20.63</td>
<td>23.71</td>
<td>27.03</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>19.10</td>
<td>20.82</td>
<td>23.57</td>
<td>26.95</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>19.56</td>
<td>21.01</td>
<td>23.44</td>
<td>26.87</td>
</tr>
</tbody>
</table>

**Table SL D3**  
Company-Owned Twin Lighting  
Monthly Rate per Fixture*

<table>
<thead>
<tr>
<th></th>
<th>LED (100 W comp HPS)</th>
<th>LED (150 W comp HPS)</th>
<th>LED (250 W comp HPS)</th>
<th>LED (400 W comp HPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LAB</td>
<td>LAC</td>
<td>LAF</td>
<td>LAG</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>14.94</td>
<td>16.47</td>
<td>17.68</td>
<td>19.22</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>15.55</td>
<td>17.08</td>
<td>18.29</td>
<td>19.83</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>15.91</td>
<td>17.44</td>
<td>18.65</td>
<td>20.19</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>16.27</td>
<td>17.80</td>
<td>19.01</td>
<td>20.55</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>16.62</td>
<td>18.15</td>
<td>19.36</td>
<td>20.90</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>16.99</td>
<td>18.52</td>
<td>19.73</td>
<td>21.27</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>17.35</td>
<td>18.88</td>
<td>20.09</td>
<td>21.63</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>18.07</td>
<td>19.60</td>
<td>20.81</td>
<td>22.35</td>
</tr>
</tbody>
</table>

*The rate for each structure with twin lighting fixtures is twice the amount shown.*

Issued: April 29, 2015  
Effective: May 30, 2015  
Issued by: Naomi G. Czachura  
Vice President
### STREET LIGHTING TABLES – CUSTOMER-OWNED

E. The applicable monthly charges are subject to adjustment clauses and riders herein.

#### Table SL E1

70W Customer-Owned Lighting with Company-Supplied Energy Only

<table>
<thead>
<tr>
<th></th>
<th>70W HPS</th>
<th>70W HPS</th>
<th>70W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-ECJ</td>
<td>North-HE1</td>
<td>South-HEA</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>1.17</td>
<td>1.47</td>
<td>1.32</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>1.26</td>
<td>1.54</td>
<td>1.40</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>1.35</td>
<td>1.60</td>
<td>1.48</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>1.40</td>
<td>1.62</td>
<td>1.51</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>1.45</td>
<td>1.63</td>
<td>1.54</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>1.50</td>
<td>1.65</td>
<td>1.57</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>1.55</td>
<td>1.66</td>
<td>1.61</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>1.60</td>
<td>1.68</td>
<td>1.64</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>1.65</td>
<td>1.69</td>
<td>1.67</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>1.71</td>
<td>1.71</td>
<td>1.71</td>
</tr>
</tbody>
</table>

#### Table SL E2

100W Customer-Owned Lighting with Company-Supplied Energy Only

<table>
<thead>
<tr>
<th></th>
<th>100W HPS</th>
<th>100W MH</th>
<th>100W MV</th>
<th>100W HPS</th>
<th>100W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-ECK</td>
<td>East-ECR</td>
<td>East-ECA</td>
<td>North-HE2</td>
<td>South-HEB</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>1.62</td>
<td>1.62</td>
<td>1.42</td>
<td>2.10</td>
<td>1.89</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>1.75</td>
<td>1.75</td>
<td>1.57</td>
<td>2.19</td>
<td>1.99</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>1.88</td>
<td>1.88</td>
<td>1.71</td>
<td>2.28</td>
<td>2.10</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>1.96</td>
<td>1.96</td>
<td>1.82</td>
<td>2.30</td>
<td>2.15</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>2.03</td>
<td>2.03</td>
<td>1.92</td>
<td>2.32</td>
<td>2.20</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>2.11</td>
<td>2.11</td>
<td>2.02</td>
<td>2.34</td>
<td>2.24</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>2.19</td>
<td>2.19</td>
<td>2.12</td>
<td>2.37</td>
<td>2.29</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>2.27</td>
<td>2.27</td>
<td>2.23</td>
<td>2.39</td>
<td>2.34</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>2.35</td>
<td>2.35</td>
<td>2.33</td>
<td>2.41</td>
<td>2.38</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>2.43</td>
<td>2.43</td>
<td>2.43</td>
<td>2.43</td>
<td>2.43</td>
</tr>
</tbody>
</table>
## RATE SL – STREET LIGHTING (continued)

### STREET LIGHTING TABLES – CUSTOMER-OWNED (continued)

#### Table SL E3

**150W Customer-Owned Lighting with Company-Supplied Energy Only**

<table>
<thead>
<tr>
<th></th>
<th>150W HPS</th>
<th>150W HPS</th>
<th>150W MH</th>
<th>150W HPS</th>
<th>150 W MH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-ECL</td>
<td>North-HE3</td>
<td>North-MH3</td>
<td>South-HEC</td>
<td>South-MHC</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>2.37</td>
<td>3.04</td>
<td>3.04</td>
<td>2.74</td>
<td>2.74</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>2.56</td>
<td>3.17</td>
<td>3.17</td>
<td>2.89</td>
<td>2.89</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>2.74</td>
<td>3.31</td>
<td>3.31</td>
<td>3.05</td>
<td>3.05</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>2.85</td>
<td>3.34</td>
<td>3.34</td>
<td>3.12</td>
<td>3.12</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>2.97</td>
<td>3.37</td>
<td>3.37</td>
<td>3.18</td>
<td>3.18</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>3.08</td>
<td>3.40</td>
<td>3.40</td>
<td>3.25</td>
<td>3.25</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>3.19</td>
<td>3.43</td>
<td>3.43</td>
<td>3.32</td>
<td>3.32</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>3.30</td>
<td>3.46</td>
<td>3.46</td>
<td>3.38</td>
<td>3.38</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>3.41</td>
<td>3.49</td>
<td>3.49</td>
<td>3.45</td>
<td>3.45</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>3.52</td>
<td>3.52</td>
<td>3.52</td>
<td>3.52</td>
<td>3.52</td>
</tr>
</tbody>
</table>

#### Table SL E4

**175W Customer-Owned Lighting with Company-Supplied Energy Only**

<table>
<thead>
<tr>
<th></th>
<th>175W MH</th>
<th>175W MV</th>
<th>175W MV</th>
<th>175W MV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-ECS</td>
<td>East-ECB</td>
<td>North-ME4</td>
<td>South-MED</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>2.73</td>
<td>2.44</td>
<td>3.35</td>
<td>3.02</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>2.93</td>
<td>2.66</td>
<td>3.50</td>
<td>3.19</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>3.12</td>
<td>2.87</td>
<td>3.65</td>
<td>3.36</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>3.23</td>
<td>3.02</td>
<td>3.68</td>
<td>3.44</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>3.34</td>
<td>3.16</td>
<td>3.71</td>
<td>3.51</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>3.45</td>
<td>3.31</td>
<td>3.75</td>
<td>3.58</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>3.56</td>
<td>3.45</td>
<td>3.78</td>
<td>3.66</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>3.66</td>
<td>3.59</td>
<td>3.81</td>
<td>3.73</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>3.77</td>
<td>3.74</td>
<td>3.85</td>
<td>3.81</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>3.88</td>
<td>3.88</td>
<td>3.88</td>
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</tr>
</tbody>
</table>
**STREET LIGHTING TABLES – CUSTOMER-OWNED (continued)**

### Table SL E5

**200W HPS and 250W MV Customer-Owned Lighting with Company-Supplied Energy Only**

<table>
<thead>
<tr>
<th>Monthly Rate per Fixture</th>
<th>200W HPS</th>
<th>250W MV</th>
<th>250W MV</th>
<th>250W MV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>North-HE5</td>
<td>East-ECC</td>
<td>North-ME6</td>
<td>South-MEF</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>4.55</td>
<td>3.34</td>
<td>4.67</td>
<td>4.21</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>4.75</td>
<td>3.67</td>
<td>4.90</td>
<td>4.47</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>4.95</td>
<td>4.00</td>
<td>5.12</td>
<td>4.73</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>4.99</td>
<td>4.22</td>
<td>5.19</td>
<td>4.85</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>5.04</td>
<td>4.45</td>
<td>5.25</td>
<td>4.97</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>5.09</td>
<td>4.68</td>
<td>5.32</td>
<td>5.10</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>5.13</td>
<td>4.90</td>
<td>5.39</td>
<td>5.22</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>5.18</td>
<td>5.13</td>
<td>5.45</td>
<td>5.34</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>5.23</td>
<td>5.36</td>
<td>5.52</td>
<td>5.46</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>5.27</td>
<td>5.59</td>
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### Table SL E6

**250W Non-MV Customer-Owned Lighting with Company-Supplied Energy Only**

<table>
<thead>
<tr>
<th>Monthly Rate per Fixture</th>
<th>250W HPS</th>
<th>250W MH</th>
<th>250W HPS</th>
<th>250W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-ECN</td>
<td>East-ECT</td>
<td>North-HE6</td>
<td>South-HEF</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>3.45</td>
<td>3.45</td>
<td>4.83</td>
<td>4.34</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>3.77</td>
<td>3.77</td>
<td>5.04</td>
<td>4.59</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>4.09</td>
<td>4.09</td>
<td>5.25</td>
<td>4.84</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>4.31</td>
<td>4.31</td>
<td>5.30</td>
<td>4.95</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>4.52</td>
<td>4.52</td>
<td>5.34</td>
<td>5.05</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>4.73</td>
<td>4.73</td>
<td>5.39</td>
<td>5.16</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>4.95</td>
<td>4.95</td>
<td>5.44</td>
<td>5.27</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>5.16</td>
<td>5.16</td>
<td>5.49</td>
<td>5.37</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>5.37</td>
<td>5.37</td>
<td>5.54</td>
<td>5.48</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>5.59</td>
<td>5.59</td>
<td>5.59</td>
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</table>
Rate SL – Street Lighting (continued)

Street Lighting Tables – Customer-Owned (continued)

<table>
<thead>
<tr>
<th>Table SL E7</th>
<th>400W Customer-Owned Lighting with Company-Supplied Energy Only</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400W MV E7 East-ECD</td>
<td>400W MV E7 South-MEG</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>5.07</td>
<td>6.56</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>5.58</td>
<td>6.94</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>6.08</td>
<td>7.33</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>6.43</td>
<td>7.50</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>6.78</td>
<td>7.67</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>7.14</td>
<td>7.84</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>7.48</td>
<td>8.01</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>7.83</td>
<td>8.18</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>8.18</td>
<td>8.35</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>8.53</td>
<td>8.53</td>
</tr>
</tbody>
</table>

* Not available for new installations after July 31, 2014.

<table>
<thead>
<tr>
<th>Table SL E8</th>
<th>1,000W Customer-Owned Lighting with Company-Supplied Energy Only</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1,000W MH E8 East-ECP</td>
<td>1,000W MH E8 North-MH9</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>17.17</td>
<td>17.17</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>17.93</td>
<td>17.93</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>18.68</td>
<td>18.68</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>18.85</td>
<td>18.85</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>19.03</td>
<td>19.03</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>19.20</td>
<td>19.20</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>19.38</td>
<td>19.38</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>19.55</td>
<td>19.55</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>19.73</td>
<td>19.73</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>19.90</td>
<td>19.90</td>
</tr>
</tbody>
</table>

* Not available for new installations after July 31, 2014.
RATE SL – STREET LIGHTING (continued)

STREET LIGHTING TABLES – CUSTOMER-OWNED (continued)

F. The applicable monthly charges are subject to adjustment clauses and riders herein. The following rates in Tables SL F1 through SL F6 are limited to those applications installed before May 28, 2021.

Table SL F1
70W and 100W Customer-Owned Lighting with Company-Supplied Energy and Maintenance
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>70W HPS</th>
<th>100W HPS</th>
<th>100W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>South-HMA</td>
<td>North-HM2</td>
<td>South-HMB</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>5.22</td>
<td>4.40</td>
<td>5.89</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>5.27</td>
<td>4.60</td>
<td>5.97</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>5.33</td>
<td>4.79</td>
<td>6.04</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>5.19</td>
<td>4.84</td>
<td>5.91</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>5.05</td>
<td>4.88</td>
<td>5.77</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>4.91</td>
<td>4.92</td>
<td>5.63</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>4.77</td>
<td>4.96</td>
<td>5.50</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>4.63</td>
<td>5.00</td>
<td>5.36</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>4.50</td>
<td>5.04</td>
<td>5.22</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>4.36</td>
<td>5.08</td>
<td>5.08</td>
</tr>
</tbody>
</table>

Table SL F2
150W Customer-Owned Lighting with Company-Supplied Energy and Maintenance
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>150W HPS</th>
<th>150W HPS</th>
<th>150W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-EAL</td>
<td>North-HM3</td>
<td>South-HMC</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>4.76</td>
<td>5.76</td>
<td>6.74</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>5.04</td>
<td>5.96</td>
<td>6.87</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>5.32</td>
<td>6.17</td>
<td>6.99</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>5.44</td>
<td>6.17</td>
<td>6.87</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>5.56</td>
<td>6.17</td>
<td>6.76</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>5.69</td>
<td>6.17</td>
<td>6.64</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>5.81</td>
<td>6.17</td>
<td>6.52</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>5.93</td>
<td>6.17</td>
<td>6.41</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>6.05</td>
<td>6.17</td>
<td>6.29</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>6.17</td>
<td>6.17</td>
<td>6.17</td>
</tr>
</tbody>
</table>
## RATE SL – STREET LIGHTING (continued)

### STREET LIGHTING TABLES – CUSTOMER-OWNED (continued)

**Table SL F3**

175W Customer-Owned Lighting with Company-Supplied Energy and Maintenance

Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>175W MH</th>
<th>175W MV</th>
<th>175W MV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-EAS</td>
<td>North-MM4</td>
<td>South-MMD</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>5.12</td>
<td>4.81</td>
<td>5.66</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>5.41</td>
<td>5.13</td>
<td>5.91</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>5.70</td>
<td>5.45</td>
<td>6.16</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>5.82</td>
<td>5.60</td>
<td>6.21</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>5.94</td>
<td>5.76</td>
<td>6.27</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>6.06</td>
<td>5.91</td>
<td>6.32</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>6.18</td>
<td>6.07</td>
<td>6.37</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>6.30</td>
<td>6.22</td>
<td>6.43</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>6.41</td>
<td>6.38</td>
<td>6.48</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>6.53</td>
<td>6.53</td>
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</tr>
</tbody>
</table>

**Table SL F4**

250W Customer-Owned Lighting with Company-Supplied Energy and Maintenance

Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>250W MV</th>
<th>250W MV</th>
<th>250W HPS</th>
<th>250W HPS</th>
<th>250W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>North-MM6</td>
<td>South-MMF</td>
<td>East-EAM</td>
<td>North-HM6</td>
<td>South-HMF</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>6.01</td>
<td>6.42</td>
<td>6.23</td>
<td>7.44</td>
<td>8.25</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>6.41</td>
<td>6.79</td>
<td>6.62</td>
<td>7.73</td>
<td>8.47</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>6.81</td>
<td>7.16</td>
<td>7.00</td>
<td>8.02</td>
<td>8.70</td>
</tr>
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<td>7.31</td>
<td>7.18</td>
<td>8.05</td>
<td>8.63</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>7.22</td>
<td>7.47</td>
<td>7.36</td>
<td>8.08</td>
<td>8.57</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>7.42</td>
<td>7.62</td>
<td>7.53</td>
<td>8.11</td>
<td>8.50</td>
</tr>
<tr>
<td>To December 31, 2020</td>
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<td>7.78</td>
<td>7.71</td>
<td>8.14</td>
<td>8.44</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>7.83</td>
<td>7.93</td>
<td>7.89</td>
<td>8.18</td>
<td>8.37</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>8.04</td>
<td>8.08</td>
<td>8.06</td>
<td>8.21</td>
<td>8.30</td>
</tr>
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<td>8.24</td>
<td>8.24</td>
<td>8.24</td>
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</table>
RATE SL – STREET LIGHTING (continued)

STREET LIGHTING TABLES – CUSTOMER-OWNED (continued)

Table SL F5
400W Customer-Owned Lighting with Company-Supplied Energy and Maintenance
Monthly Rate per Fixture

<table>
<thead>
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<th>400W</th>
<th>400W</th>
<th>400W</th>
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<th>400W</th>
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<th>400W</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>MV</td>
<td>MV</td>
<td>MV</td>
<td>HPS</td>
<td>MH</td>
<td>HPS</td>
<td>HPS</td>
</tr>
<tr>
<td>East-</td>
<td>EAD</td>
<td>North-M</td>
<td>South-MM</td>
<td>East-</td>
<td>East-</td>
<td>North-M</td>
<td>South-MM</td>
</tr>
<tr>
<td>To December 31, 2014</td>
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<td>8.03</td>
<td>8.09</td>
<td>8.30</td>
<td>8.30</td>
<td>9.58</td>
<td>11.75</td>
</tr>
<tr>
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<td>8.59</td>
<td>8.64</td>
<td>8.83</td>
<td>8.83</td>
<td>10.01</td>
<td>12.00</td>
</tr>
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<td>9.72</td>
<td>9.76</td>
<td>9.88</td>
<td>9.88</td>
<td>10.65</td>
<td>11.95</td>
</tr>
<tr>
<td>To December 31, 2020</td>
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<td>10.31</td>
<td>10.33</td>
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<td>10.40</td>
<td>10.86</td>
<td>11.64</td>
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<td>10.66</td>
<td>10.66</td>
<td>10.97</td>
<td>11.49</td>
</tr>
<tr>
<td>To December 31, 2022</td>
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<td>10.89</td>
<td>10.92</td>
<td>10.92</td>
<td>11.07</td>
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<td>11.18</td>
<td>11.18</td>
<td>11.18</td>
<td>11.18</td>
<td>11.18</td>
</tr>
</tbody>
</table>

Table SL F6
1,000W Customer-Owned Lighting with Company-Supplied Energy and Maintenance
Monthly Rate per Fixture

<table>
<thead>
<tr>
<th></th>
<th>1,000W MH</th>
<th>1,000W MH</th>
<th>1,000W MH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>East-ECX</td>
<td>North-MQ9</td>
<td>South-MMH</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>17.79</td>
<td>17.79</td>
<td>17.16</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>18.78</td>
<td>18.78</td>
<td>18.20</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>19.77</td>
<td>19.77</td>
<td>19.24</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>20.17</td>
<td>20.17</td>
<td>19.71</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>20.57</td>
<td>20.57</td>
<td>20.18</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>20.96</td>
<td>20.96</td>
<td>20.66</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>21.76</td>
<td>21.76</td>
<td>21.61</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>22.16</td>
<td>22.16</td>
<td>22.08</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>22.55</td>
<td>22.55</td>
<td>22.55</td>
</tr>
</tbody>
</table>
G. The following table reflects per-light-fixture monthly pricing for customer-owned group-operated street lights for which the Company shall furnish only maintenance. The prices, below, are subject to adjustment clauses and riders herein.

<table>
<thead>
<tr>
<th></th>
<th>100 W HPS North-HK2</th>
<th>250 W HPS North-HK6</th>
<th>400 W HPS North-HK7</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>2.31</td>
<td>2.61</td>
<td>2.21</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>2.41</td>
<td>2.69</td>
<td>2.32</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>2.51</td>
<td>2.77</td>
<td>2.43</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>2.53</td>
<td>2.75</td>
<td>2.46</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>2.55</td>
<td>2.74</td>
<td>2.50</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>2.57</td>
<td>2.72</td>
<td>2.53</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>2.59</td>
<td>2.70</td>
<td>2.56</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>2.61</td>
<td>2.69</td>
<td>2.59</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>2.63</td>
<td>2.67</td>
<td>2.62</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>2.65</td>
<td>2.65</td>
<td>2.65</td>
</tr>
</tbody>
</table>

* Not available for new installations after July 31, 2014.
RATE AL – AREA LIGHTING

**GENERAL**

Service hereunder is subject to the Electric Service Policies and Terms and Conditions of the Company and any applicable Adjustment Clauses and Riders included in this electric tariff schedule.

**AVAILABILITY**

Availability of area lighting is on a permanent and continuing basis for the lighting of entrances, driveways, and other private areas accessible from the customer’s property or public property by Company service vehicles and adjacent to existing overhead secondary voltage and distribution circuits of the Company, or where such circuits may be extended to supply lighting units.

Light-emitting diode (LED) is the Company standard for all new or replacement Company-owned area lighting. If there is an LED available with comparable light performance, the LED will be installed.

Existing mercury vapor (MV) applications are limited to those applications installed before January 1, 1990. High pressure sodium (HPS) applications are limited to those applications installed before July 15, 2020. Replacement or significant maintenance of existing MV or HPS lights may be made with LED if there is an LED available with comparable light performance.
RATE AL – AREA LIGHTING (continued)

AREA LIGHTING STANDARDS

- The rate for an area light is based on an existing wood pole served by one (1) span of overhead secondary wire, area light fixture mounted on a typical three (3) foot arm or flood light bracket.
  - Area lighting mounted on other than three (3) foot mast arms is normally only available for use by homeowner associations and/or on private streets not maintained by government agencies in accordance with good engineering practice.
- Additional facilities needed beyond an existing wood pole, one (1) span of overhead secondary wire, and the three (3) foot arm with light fixture require the customer to pay for these as a contribution in aid of construction. Additional facilities may include but is not limited to, poles, transformers, additional spans, and underground installations.
  - For installations made after July 31, 2014, there is no longer an option to rent poles or additional spans of overhead secondary wiring for new installations.
RATE AL – AREA LIGHTING (continued)

ACCESS

Where Company-owned facilities are located on customer’s property, the customer will provide reasonably safe and convenient access to its facilities for Company personnel and equipment for the purpose of maintenance and inspection. Property owners may be required to grant any necessary easements prior to the installation of the light(s). The Company shall be permitted to enter the customer’s premises at all reasonable times for the purpose of installation, inspection, maintenance, and removal of its equipment and facilities.

VANDALISM

The Company reserves the right to remove any fixture or fixtures in any location that has continuous vandalism.

TIME SCHEDULES FOR PRIVATE AREA LIGHTS

Area lights will be dusk-to-dawn and controlled by a photo-electric device actuated by intensity of natural light. The total estimated time of operation is 4,200 hours annually.

Metered lighting systems will be billed on the applicable general service rate.

SERVICE TO BE FURNISHED

The Company will install, own, and maintain the lighting fixture on an existing distribution line pole and furnish electricity and maintenance as required to operate the light from dusk to dawn each night. Such service will also be furnished at locations adjacent to an existing distribution pole line of the Company with the lighting fixtures mounted on suitable poles owned and maintained by the customer or on additional standard distribution poles owned by the Company.

The determination of the method of supply and type of facilities rests solely with the Company. This type of service will be furnished only if practical and safe from the standpoint of the Company and will not be supplied to light fixtures attached to buildings or where the installation of such lights would create an unusual hazard.
RATE AL – AREA LIGHTING (continued)

CONTRACT PROVISIONS

Contracts hereunder are subject to the following in addition to the net monthly rate, adjustment clauses, riders and late payment charge:

- All facilities furnished hereunder shall remain the property of the Company and will be maintained by the Company.
- Maintenance of light equipment will be done only during normal working hours within a reasonable period following notification by the customer of the need for such maintenance.
- The customer shall be responsible for any damage, alteration or interference with Company electric facilities on customer’s premises unless occasioned by the Company’s negligence or by any cause beyond the control of the customer.

RELOCATIONS

The customer shall pay for the cost of relocation of any light as a contribution in aid of construction when requested by the customer. The contribution in aid of construction shall be the work order cost of removing the existing light, labor cost to install the new light, less any salvage credit. The contribution in aid of construction shall be grossed up for income taxes.

CONVERSIONS

Beginning July 15, 2020, at no cost to the customer, the Company will begin to replace Company-owned non-LED area lights requiring significant maintenance with a comparable LED fixture. If the customer requests replacement before significant maintenance is required, the Company will charge the customer $100 per fixture for accelerated replacement.
NET MONTHLY RATES

A. Applicable monthly charges identified in the following tables are for lamp and fixtures on an existing standard wood distribution pole mounted with overhead wiring and one span of secondary voltage conductor served from available transformation and operated on all-night schedule. These charges are subject to adjustment clauses and riders specified herein.

<table>
<thead>
<tr>
<th>LED Unmetered Area Lighting – mounted with three (3) foot mast arms</th>
<th>N</th>
<th>N</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparable HPS</td>
<td>kWh</td>
<td>Monthly Rate per Fixture</td>
<td>All Areas</td>
</tr>
<tr>
<td>100 W</td>
<td>15</td>
<td>4.67</td>
<td>UL1</td>
</tr>
<tr>
<td>150 W</td>
<td>22</td>
<td>5.09</td>
<td>UL2</td>
</tr>
<tr>
<td>250 W</td>
<td>47</td>
<td>8.60</td>
<td>UL3</td>
</tr>
<tr>
<td>400 W</td>
<td>71</td>
<td>11.12</td>
<td>UL4</td>
</tr>
</tbody>
</table>

The above lighting is not suitable for lighting streets or thoroughfares.

<table>
<thead>
<tr>
<th>LED Unmetered Flood Lighting – mounted on standard bracket</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparable HPS</td>
<td>kWh</td>
</tr>
<tr>
<td>100 W</td>
<td>14</td>
</tr>
<tr>
<td>150 W</td>
<td>27</td>
</tr>
<tr>
<td>250 W</td>
<td>37</td>
</tr>
<tr>
<td>400 W</td>
<td>63</td>
</tr>
<tr>
<td>1000 W</td>
<td>100</td>
</tr>
</tbody>
</table>

The above lighting is not suitable for lighting streets or thoroughfares.

<table>
<thead>
<tr>
<th>LED Unmetered Lighting – mounted with six (6) foot mast arms</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparable HPS</td>
<td>kWh</td>
</tr>
<tr>
<td>100 W</td>
<td>16</td>
</tr>
<tr>
<td>150 W</td>
<td>32</td>
</tr>
<tr>
<td>250 W</td>
<td>42</td>
</tr>
<tr>
<td>400 W</td>
<td>75</td>
</tr>
</tbody>
</table>

The above lighting is suitable for lighting streets or thoroughfares and is only available for use by homeowner associations and/or on private streets not maintained by government agencies.
### RATE AL – AREA LIGHTING (continued)

#### NET MONTHLY RATES (continued)

**4. MV & HPS Unmetered Lighting – mounted with three (3) foot mast arms**
- Not available for new installations on or after July 15, 2020

<table>
<thead>
<tr>
<th>Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 W</td>
<td>33</td>
<td>See Table AL A1</td>
</tr>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table AL A2</td>
</tr>
<tr>
<td>150 W</td>
<td>68</td>
<td>See Table AL A3</td>
</tr>
<tr>
<td>175 W</td>
<td>75</td>
<td>See Table AL A4</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Table AL A5</td>
</tr>
<tr>
<td>400 W</td>
<td>165</td>
<td>See Table AL A6</td>
</tr>
<tr>
<td>1,000 W</td>
<td>384</td>
<td>See Table AL A7</td>
</tr>
</tbody>
</table>

The above lighting is not suitable for lighting streets or thoroughfares.

**5. MV & HPS Unmetered Lighting – mounted with six (6) foot mast arms**
- Not available for new installations on or after July 15, 2020

<table>
<thead>
<tr>
<th>Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table SL A2</td>
</tr>
<tr>
<td>150 W</td>
<td>68</td>
<td>See Table SL A3</td>
</tr>
<tr>
<td>175 W</td>
<td>75</td>
<td>See Table SL A4</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Table SL A5</td>
</tr>
<tr>
<td>400 W</td>
<td>165</td>
<td>See Table SL A6 or A7</td>
</tr>
</tbody>
</table>

The above lighting is suitable for lighting streets or thoroughfares and is only available for use by homeowner associations and/or on private streets not maintained by government agencies.
RATE AL – AREA LIGHTING (continued)

NET MONTHLY RATES (continued)


<table>
<thead>
<tr>
<th>Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table AL A8</td>
</tr>
<tr>
<td>175 W</td>
<td>75</td>
<td>See Table AL A8</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Table AL A8</td>
</tr>
<tr>
<td>400 W</td>
<td>165</td>
<td>See Table AL A8</td>
</tr>
<tr>
<td>1,000 W</td>
<td>384</td>
<td>See Table AL A8</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Lamp Size</th>
<th>kWh</th>
<th>Monthly Rate per Fixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>70 W</td>
<td>33</td>
<td>See Table AL A9</td>
</tr>
<tr>
<td>100 W</td>
<td>47</td>
<td>See Table AL A9</td>
</tr>
<tr>
<td>250 W</td>
<td>108</td>
<td>See Table AL A9</td>
</tr>
<tr>
<td>1,000 W</td>
<td>384</td>
<td>See Table AL A9</td>
</tr>
</tbody>
</table>

Company-owned mercury vapor lights are not available for new installations and shall be replaced at no cost to the customer.

B. Pole Charges

For each standard distribution pole required in addition to existing poles for area lighting, the customer shall be required to pay the Company a contribution in aid of construction at the time of installation for the additional poles(s); such contribution shall be grossed up for income taxes. These payments shall not be subject to refund.

If the customer requires the Company to install luminaires at a mounting height greater than can be achieved on existing wood poles, the customer will be required to pay the Company a contribution in aid of construction to cover the cost of changing the pole to taller heights and/or rearranging the facilities; any additional maintenance costs incurred as a result of higher mounting heights shall be billed at direct cost plus applicable overhead charges.
RATE AL – AREA LIGHTING (continued)

NET MONTHLY RATES (continued)

For area lighting installations made prior to July 31, 2014, the applicable monthly charges identified on the following table shall apply. These charges are subject to adjustment clauses and riders specified herein.

<table>
<thead>
<tr>
<th>Pole Type</th>
<th>Monthly Rate per Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood Pole</td>
<td>See Tables AL B1 and AL B2</td>
</tr>
<tr>
<td>Non-Wood Pole</td>
<td>See Tables AL B3, AL B4, and AL B5</td>
</tr>
</tbody>
</table>

C. Circuit Charges

When existing overhead secondary service is not available for use with the desired light(s), a charge will apply to install transformation and required circuit. The cost for any special requirements beyond an existing wood pole, one (1) span of overhead secondary wire, and the three (3) foot mast arm with light fixture, shall be paid by the customer at the time of installation and billed as a contribution in aid of construction. The contributions shall be based upon actual installation costs and grossed up for income taxes. These payments shall not be subject to refund.

For area lighting installations made prior to July 31, 2014, the applicable monthly charges identified on the following table shall apply. These charges are subject to adjustment clauses and riders specified herein.

<table>
<thead>
<tr>
<th>Pole Type</th>
<th>Monthly Rate per Pole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overhead Span</td>
<td>See Table AL C1</td>
</tr>
</tbody>
</table>

The above circuit charges will apply in addition to the fixture costs in Section A, and pole charges in Section B, if applicable, above.
ADJUSTMENT CLAUSES AND RIDERS

The above net monthly rates for Company-owned and customer-owned lighting are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. MC – Mitigation Cost Recovery Adjustment
6. TERM – Tax Expense Revision Mechanism

N
RATE AL – AREA LIGHTING (continued)

MONTHLY BILLING

Metered lighting will follow normal reading cycles and billing periods. Unmetered lighting will follow the same cycles and billing periods with this exception: unmetered lighting will be billed for monthly payments adjusted by the burn-hours factor regardless of the number of days in the billing period.

LATE PAYMENT CHARGE

Bills for service shall be rendered monthly. Bills are due and payable within twenty (20) days from the date the bill is rendered to the customer. When not paid in full by the due date, a late payment charge of one and one-half percent (1.5%) of the unpaid balance is added to the next bill.
### AREA LIGHTING TABLES – COMPANY-OWNED

A. Applicable monthly charges shown are by former price zone and price code and are subject to adjustment clauses and riders herein. MV applications are limited to those applications installed before January 1, 1990. HPS applications are limited to those applications installed before July 15, 2020.

#### Table AL A1

**70W Company-Owned Lighting**

<table>
<thead>
<tr>
<th>Monthly Rate per Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>70W HPS</td>
</tr>
<tr>
<td>46-EPZ</td>
</tr>
</tbody>
</table>

| To December 31, 2014 | 3.08 | 3.08 | 3.08 | 11.27 |
| To December 31, 2015 | 3.49 | 3.49 | 3.49 | 11.03 |
| To December 31, 2016 | 3.89 | 3.89 | 3.89 | 10.79 |
| To December 31, 2017 | 4.20 | 4.20 | 4.20 | 10.11 |
| To December 31, 2018 | 4.51 | 4.51 | 4.51 | 9.43 |
| To December 31, 2019 | 4.82 | 4.82 | 4.82 | 8.76 |
| To December 31, 2020 | 5.13 | 5.13 | 5.13 | 8.08 |
| To December 31, 2021 | 5.44 | 5.44 | 5.44 | 7.41 |
| To December 31, 2022 | 5.75 | 5.75 | 5.75 | 6.73 |
| To December 31, 2023 | 6.06 | 6.06 | 6.06 | 6.06 |

#### Table AL A2

**100W Company-Owned Lighting**

<table>
<thead>
<tr>
<th>Monthly Rate per Light</th>
</tr>
</thead>
<tbody>
<tr>
<td>100W HPS</td>
</tr>
<tr>
<td>46-EPK</td>
</tr>
</tbody>
</table>

| To December 31, 2014 | 7.99 | 6.56 | 5.93 | 9.60 |
| To December 31, 2015 | 8.09 | 6.77 | 6.19 | 9.58 |
| To December 31, 2016 | 8.18 | 6.99 | 6.45 | 9.55 |
| To December 31, 2017 | 7.99 | 6.96 | 6.51 | 9.16 |
| To December 31, 2018 | 7.80 | 6.94 | 6.56 | 8.77 |
| To December 31, 2019 | 7.60 | 6.92 | 6.61 | 8.38 |
| To December 31, 2020 | 7.41 | 6.89 | 6.67 | 7.99 |
| To December 31, 2021 | 7.21 | 6.87 | 6.72 | 7.60 |
| To December 31, 2022 | 7.02 | 6.85 | 6.77 | 7.21 |
| To December 31, 2023 | 6.83 | 6.83 | 6.83 | 6.83 |
## RATE AL – AREA LIGHTING (continued)

### AREA LIGHTING TABLES – COMPANY-OWNED (continued)

#### Table AL A3
150W Company-Owned Lighting
Monthly Rate per Light

<table>
<thead>
<tr>
<th></th>
<th>150W HPS</th>
<th>150W HPS</th>
<th>150W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46-EPL</td>
<td>PLN-PM3</td>
<td>PLS-PCC</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>8.77</td>
<td>8.77</td>
<td>11.77</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>8.93</td>
<td>8.93</td>
<td>11.70</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>9.10</td>
<td>9.10</td>
<td>11.63</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>8.95</td>
<td>8.95</td>
<td>11.11</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>8.80</td>
<td>8.80</td>
<td>10.60</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>8.65</td>
<td>8.65</td>
<td>10.09</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>8.50</td>
<td>8.50</td>
<td>9.58</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>8.35</td>
<td>8.35</td>
<td>9.07</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>8.20</td>
<td>8.20</td>
<td>8.56</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>8.05</td>
<td>8.05</td>
<td>8.05</td>
</tr>
</tbody>
</table>

#### Table AL A4
175W Company-Owned Lighting
Monthly Rate per Light

<table>
<thead>
<tr>
<th></th>
<th>175W MV</th>
<th>175W MV</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46-EPB</td>
<td>PLN-XR4</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>7.81</td>
<td>5.65</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>8.11</td>
<td>6.12</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>8.41</td>
<td>6.59</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>8.44</td>
<td>6.88</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>8.46</td>
<td>7.16</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>8.49</td>
<td>7.45</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>8.51</td>
<td>7.73</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>8.54</td>
<td>8.02</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>8.56</td>
<td>8.30</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>8.59</td>
<td>8.59</td>
</tr>
</tbody>
</table>
**RATE AL – AREA LIGHTING (continued)**

---

**AREA LIGHTING TABLES – COMPANY-OWNED (continued)**

### Table AL A5

**250W Company-Owned Lighting**  
**Monthly Rate per Light**

<table>
<thead>
<tr>
<th></th>
<th>250W HPS</th>
<th>250W MV</th>
<th>250W HPS</th>
<th>250W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>46-EPM</td>
<td>46-EPC</td>
<td>PLN-PR6</td>
<td>PLS-PCD</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>10.29</td>
<td>9.02</td>
<td>12.33</td>
<td>17.34</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>10.63</td>
<td>9.46</td>
<td>12.51</td>
<td>17.12</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>10.97</td>
<td>9.90</td>
<td>12.69</td>
<td>16.91</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>10.95</td>
<td>10.03</td>
<td>12.42</td>
<td>16.03</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>10.93</td>
<td>10.16</td>
<td>12.15</td>
<td>15.16</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>10.90</td>
<td>10.29</td>
<td>11.88</td>
<td>14.29</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>10.88</td>
<td>10.42</td>
<td>11.62</td>
<td>13.42</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>10.86</td>
<td>10.55</td>
<td>11.35</td>
<td>12.55</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>10.84</td>
<td>10.68</td>
<td>11.08</td>
<td>11.68</td>
</tr>
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### Table AL A6

**400W Company-Owned Lighting**  
**Monthly Rate per Light**

<table>
<thead>
<tr>
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<th>400W MV</th>
<th>400W MV</th>
<th>400W HPS</th>
<th>400W HPS</th>
<th>400W HPS</th>
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<td>19.80</td>
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<td>To December 31, 2017</td>
<td>12.83</td>
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<td>16.55</td>
<td>15.87</td>
<td>18.91</td>
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<td>18.10</td>
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<td>17.29</td>
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Issued: August 6, 2014  
Effective: July 31, 2014  
Issued by: Naomi G. Czachura  
Vice President
# RATE AL – AREA LIGHTING (continued)

## AREA LIGHTING TABLES – COMPANY-OWNED (continued)

### Table AL A7

**1,000W Company-Owned Lighting**

<table>
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<th>1,000W HPS</th>
<th>1,000W MV</th>
<th>1,000W MV</th>
</tr>
</thead>
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<td>PLS-FXI</td>
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<td>32.44</td>
<td>22.28</td>
<td>19.41</td>
</tr>
<tr>
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<td>32.69</td>
<td>23.33</td>
<td>20.69</td>
</tr>
<tr>
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<td>32.93</td>
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<td>21.98</td>
</tr>
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<td>34.46</td>
<td>32.00</td>
<td>24.68</td>
<td>22.61</td>
</tr>
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<td>31.08</td>
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<td>30.15</td>
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<td>24.00</td>
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<td>24.52</td>
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<td>28.29</td>
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<td>25.16</td>
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### Table AL A8

**Company-Owned Lighting – No Energy**

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<th>250W HPS</th>
<th>400W HPS</th>
<th>400W HPS</th>
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<td>PLN-PM4</td>
<td>PLN-VM7</td>
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<td>5.60</td>
<td>18.64</td>
<td>3.68</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>3.08</td>
<td>1.66</td>
<td>6.74</td>
<td>8.90</td>
<td>5.75</td>
<td>17.87</td>
<td>4.09</td>
</tr>
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<td>5.91</td>
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<td>5.85</td>
<td>15.58</td>
<td>4.80</td>
</tr>
<tr>
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<td>2.82</td>
<td>6.33</td>
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<td>14.08</td>
<td>5.08</td>
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<td>7.39</td>
<td>5.74</td>
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</tr>
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<td>5.69</td>
<td>11.06</td>
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<td>5.64</td>
<td>9.55</td>
<td>5.95</td>
</tr>
<tr>
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<td>4.33</td>
<td>5.45</td>
<td>5.99</td>
<td>5.58</td>
<td>8.04</td>
<td>6.24</td>
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RATE AL – AREA LIGHTING (continued)

AREA LIGHTING TABLES – COMPANY-OWNED (continued)

Table AL A9
Customer-Owned Lighting – Energy Only  
Monthly Rate per Light

<table>
<thead>
<tr>
<th></th>
<th>70W HPS</th>
<th>100W HPS</th>
<th>250W HPS</th>
<th>1,000W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SLS-PEA</td>
<td>SLS-PEB</td>
<td>SLS-PED</td>
<td>SLS-PEF</td>
</tr>
<tr>
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<td>1.48</td>
<td>2.10</td>
<td>4.84</td>
<td>17.19</td>
</tr>
<tr>
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<td>2.19</td>
<td>5.05</td>
<td>17.95</td>
</tr>
<tr>
<td>To December 31, 2016</td>
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<td>2.29</td>
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<td>18.70</td>
</tr>
<tr>
<td>To December 31, 2017</td>
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<td>2.31</td>
<td>5.31</td>
<td>18.87</td>
</tr>
<tr>
<td>To December 31, 2018</td>
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<td>2.33</td>
<td>5.35</td>
<td>19.04</td>
</tr>
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<td>5.40</td>
<td>19.21</td>
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<td>5.45</td>
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<td>2.43</td>
<td>5.59</td>
<td>19.90</td>
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</tbody>
</table>

|                     |         |         |         | R/R/R/R    |
RATE AL – AREA LIGHTING (continued)

AREA LIGHTING TABLES – COMPANY-OWNED (continued)

B. Pole Charges. Applicable monthly charges shown below in Tables AL B1, AL B2, AL B3, AL B4 and AL B5, for installations made prior to July 31, 2014, are by former price zone and price code and are subject to adjustment clauses and riders herein.

### Table AL B1
Wood Pole Charges without Former Component Codes
MONTHLY RATE PER POLE

<table>
<thead>
<tr>
<th>Period</th>
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<th>PLN-NUP</th>
</tr>
</thead>
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</tr>
<tr>
<td>To December 31, 2015</td>
<td>3.79</td>
<td>2.75</td>
<td>4.88</td>
</tr>
<tr>
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<td>2.99</td>
<td>5.43</td>
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<tr>
<td>To December 31, 2017</td>
<td>3.96</td>
<td>3.14</td>
<td>5.84</td>
</tr>
<tr>
<td>To December 31, 2018</td>
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<td>3.30</td>
<td>6.26</td>
</tr>
<tr>
<td>To December 31, 2019</td>
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<td>3.45</td>
<td>6.67</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>4.01</td>
<td>3.60</td>
<td>7.08</td>
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<td>To December 31, 2021</td>
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<td>3.75</td>
<td>7.49</td>
</tr>
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<td>3.91</td>
<td>7.90</td>
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<td>4.06</td>
<td>8.31</td>
</tr>
</tbody>
</table>

### Table AL B2
Company-Owned Lighting on Wood Poles
MONTHLY RATE PER LIGHT

<table>
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<tr>
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<th>70W HPS</th>
<th>400W HPS</th>
<th>1,000W HPS</th>
</tr>
</thead>
<tbody>
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<td>PLS-F2I</td>
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<td>28.75</td>
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<td>To December 31, 2015</td>
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</tr>
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<td>41.15</td>
</tr>
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</tr>
<tr>
<td>To December 31, 2018</td>
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<td>38.11</td>
</tr>
<tr>
<td>To December 31, 2019</td>
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<td>36.58</td>
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<td>14.07</td>
<td>22.38</td>
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<tr>
<td>To December 31, 2021</td>
<td>12.75</td>
<td>20.96</td>
<td>33.54</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>11.43</td>
<td>19.54</td>
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<td>18.11</td>
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</table>
## RATE AL – AREA LIGHTING (continued)

### AREA LIGHTING TABLES – COMPANY-OWNED (continued)

#### Table AL B3
Company-Owned Lighting on Non-Wood Poles  
Monthly Rate per Light

<table>
<thead>
<tr>
<th></th>
<th>100W HPS</th>
<th>175W MV</th>
<th>250W HPS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PLN-PU2</td>
<td>PLN-XU4</td>
<td>PLN-SU6</td>
</tr>
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<td>13.91</td>
<td>11.09</td>
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</tr>
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<td>13.46</td>
<td>23.19</td>
</tr>
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<td>15.83</td>
<td>24.98</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>19.33</td>
<td>17.87</td>
<td>26.04</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>20.84</td>
<td>19.92</td>
<td>27.09</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>22.35</td>
<td>21.97</td>
<td>28.15</td>
</tr>
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<td>28.40</td>
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<td>32.38</td>
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#### Table AL B4
Company-Owned Lighting on Non-Wood Poles  
Monthly Rate per Light

<table>
<thead>
<tr>
<th></th>
<th>400W MV</th>
<th>400W HPS</th>
<th>1,000W HPS</th>
<th>1,000W MV</th>
</tr>
</thead>
<tbody>
<tr>
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<td>PLN-VU7</td>
<td>PLN-SU7</td>
<td>PLN-SU8</td>
<td>PLN-VU9</td>
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<td>30.85</td>
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<td>39.19</td>
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<td>33.29</td>
<td>50.68</td>
<td>40.66</td>
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<td>45.07</td>
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</table>

### Notes
- R/R/R indicates a rate that remains constant.
- | indicates a rate that changes based on a specific condition.
**RANGE AL – AREA LIGHTING** (continued)

**AREA LIGHTING TABLES – COMPANY-OWNED** (continued)

**Table AL B5**

Company-Owned Lighting on Non-Wood Poles – No Energy

<table>
<thead>
<tr>
<th></th>
<th>100W HPS</th>
<th>175W MV</th>
<th>250W HPS</th>
<th>400W HPS</th>
</tr>
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<td></td>
<td></td>
</tr>
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<td>7.74</td>
<td>16.90</td>
<td>22.44</td>
</tr>
<tr>
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<td>9.96</td>
<td>18.45</td>
<td>23.59</td>
</tr>
<tr>
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<td>20.00</td>
<td>24.73</td>
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<tr>
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<td>14.20</td>
<td>20.97</td>
<td>25.07</td>
</tr>
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<td>21.94</td>
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<td>18.22</td>
<td>22.91</td>
<td>25.75</td>
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<td>23.88</td>
<td>26.08</td>
</tr>
<tr>
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<td>22.25</td>
<td>24.85</td>
<td>26.42</td>
</tr>
<tr>
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<td>24.26</td>
<td>25.83</td>
<td>26.76</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>25.97</td>
<td>26.28</td>
<td>26.80</td>
<td>27.10</td>
</tr>
</tbody>
</table>

| PLN-XO4         |         |         |          |          |
| PLN-SO6         |         |         |          |          |
| PLN-SO7         |         |         |          |          |

|                |         |         |          |          |
| PLN-PO2        |         |         |          | R/R/R/R  |
| PLN-XO4        |         |         |          |          |
| PLN-SO6        |         |         |          |          |
| PLN-SO7        |         |         |          |          |

|                |         |         |          |          |
| PLN-PO2        |         |         |          |          |
| PLN-XO4        |         |         |          |          |
| PLN-SO6        |         |         |          |          |
| PLN-SO7        |         |         |          | R/R/R/R  |

|                |         |         |          |          |
| PLN-PO2        |         |         |          |          |
| PLN-XO4        |         |         |          |          |
| PLN-SO6        |         |         |          |          |
| PLN-SO7        |         |         |          | R/R/R/R  |
AREA LIGHTING TABLES – COMPANY-OWNED (continued)

C. Circuit Charges. Applicable monthly charges shown, for installations made prior to July 31, 2014, are by former price zone and price code and are subject to adjustment clauses and riders herein.

<table>
<thead>
<tr>
<th>OH Span</th>
<th>Rate per Span</th>
</tr>
</thead>
<tbody>
<tr>
<td>46-EAS</td>
<td></td>
</tr>
</tbody>
</table>

Table AL C1

<table>
<thead>
<tr>
<th>Spans</th>
<th>Monthly Rate per Span</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>1.33</td>
</tr>
<tr>
<td>To December 31, 2015</td>
<td>1.64</td>
</tr>
<tr>
<td>To December 31, 2016</td>
<td>1.96</td>
</tr>
<tr>
<td>To December 31, 2017</td>
<td>2.23</td>
</tr>
<tr>
<td>To December 31, 2018</td>
<td>2.51</td>
</tr>
<tr>
<td>To December 31, 2019</td>
<td>2.78</td>
</tr>
<tr>
<td>To December 31, 2020</td>
<td>3.06</td>
</tr>
<tr>
<td>To December 31, 2021</td>
<td>3.33</td>
</tr>
<tr>
<td>To December 31, 2022</td>
<td>3.61</td>
</tr>
<tr>
<td>To December 31, 2023</td>
<td>3.89</td>
</tr>
</tbody>
</table>
RESERVED FOR FUTURE USE
RATE RST – RESIDENTIAL TIME-OF-USE SERVICE

AVAILABLE

Service under this rate is available to any Residential Iowa Customer for use in a single-family dwelling unit with an annual billed energy usage of 50,000 kWh or less. This service is not available for resale, standby or supplemental service.

APPLICATION

Service under this rate schedule will be furnished only to a single occupancy dwelling. In the case of multifamily dwellings with two (2) or more living units, where service to each individual unit is metered separately, electricity used for hallway lighting and other incidental uses in connection with the operation of such buildings may be served under this rate and may be connected to one (1) of the apartment meters.

Where a portion of a dwelling is used regularly for business or professional purposes, the premises will be classified as non-residential and the appropriate price schedule applied. However, if the service for residential purposes can be metered separately through appropriate wiring, the residential classification will be applied to such service.

Service in this classification is not available for fraternity houses, multiple dwellings with two or more distinct living quarters, or rooming houses with more than four rooms occupied by persons not members of the customer's immediate family.

Service in the classification is not available to unattached structures or other separately-served facilities on residential premises and shall be served under a qualifying non-residential rate.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single-phase, at secondary voltages offered by the Company, and as further described in the Company's terms and conditions.
NET MONTHLY RATE PER METER

Basic Service Charge: $ 8.50

Energy Charge:

<table>
<thead>
<tr>
<th></th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Peak</td>
<td>$ 0.20925</td>
<td>$ 0.07809</td>
</tr>
<tr>
<td>All Other</td>
<td>$ 0.09029</td>
<td>$ 0.07809</td>
</tr>
<tr>
<td>Off-Peak</td>
<td>$ 0.06553</td>
<td>$ 0.06656</td>
</tr>
</tbody>
</table>

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.

On-Peak Hours: Hours between 1:00 p.m. and 6:00 p.m. Monday through Friday.

Off-Peak Hours: Hours between 10:00 p.m. and 8:00 a.m. every day.

All Other Hours: All hours not included in the definition of On-Peak or Off-Peak Hours.

RATE RST – RESIDENTIAL TIME-OF-USE SERVICE (continued)

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. TERM – Tax Expense Revision Mechanism

N

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and any applicable adjustment clauses and riders included in this electric tariff schedule.
MIDAMERICAN ENERGY COMPANY
Electric Tariff No. 2
Filed with the Iowa Utilities Board

3rd Substitute Original Sheet No. 294
Canceling 2nd Substitute Original Sheet No. 294

RANGE GET – GENERAL ENERGY TIME-OF-USE SERVICE

AVAILABLE

Service under this rate is available to any Residential Iowa Customer with annual usage greater than 50,000 kWh and any Non-Residential Iowa Customer. This service is not available for resale, standby or supplemental service.

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single- or three-phase, at secondary voltages offered by the Company, and as further described in the Company’s terms and conditions.

NET MONTHLY RATE PER METER

Basic Service Charge: $10.00

<table>
<thead>
<tr>
<th>Energy Charge:</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Peak</td>
<td>$0.18369</td>
<td>$0.06766</td>
</tr>
<tr>
<td>All Other</td>
<td>$0.08168</td>
<td>$0.06766</td>
</tr>
<tr>
<td>Off-Peak</td>
<td>$0.05713</td>
<td>$0.05817</td>
</tr>
</tbody>
</table>

Surcharge in Addition to Above Charges:

All kWh over 40,000 $0.01790 $0.02834 I/I

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.
RATE GET – GENERAL ENERGY TIME-OF-USE SERVICE (continued)

On-Peak Hours:  Hours between 1:00 p.m. and 6:00 p.m. Monday through Friday.

Off-Peak Hours:  Hours between 10:00 p.m. and 8:00 a.m. every day.

All Other Hours:  All hours not included in the definition of On-Peak or Off-Peak Hours.


ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.
RATE GET – GENERAL ENERGY TIME-OF-USE SERVICE (continued)

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantity shall be the basis of billing the charges hereunder.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and any applicable adjustment clauses and riders included in this electric tariff schedule.
RATE GDT – GENERAL DEMAND TIME-OF-USE SERVICE

AVAILABLE

Service under this rate is available to any Non-Residential Iowa Customer. This service is not available for resale, standby or supplemental service.

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single- or three-phase, at secondary voltages offered by the Company, and as further described in the Company’s terms and conditions.

NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Basic Service Charge:</th>
<th>$ 20.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Charge:</td>
<td></td>
</tr>
<tr>
<td>On-Peak:</td>
<td>$ 0.15015</td>
</tr>
<tr>
<td>All Other:</td>
<td>$ 0.05550</td>
</tr>
<tr>
<td>Off-Peak:</td>
<td>$ 0.03430</td>
</tr>
<tr>
<td>Demand Charge:</td>
<td></td>
</tr>
<tr>
<td>Per kW:</td>
<td>$ 7.07</td>
</tr>
<tr>
<td>Transformer Ownership Credit:</td>
<td>$ 0.30 per kW</td>
</tr>
</tbody>
</table>

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.
RATE GDT – GENERAL DEMAND TIME-OF-USE SERVICE (continued)

On-Peak Hours: Hours between 1:00 p.m. and 6:00 p.m. Monday through Friday.

Off-Peak Hours: Hours between 10:00 p.m. and 8:00 a.m. every day.

All Other Hours: All hours not included in the definition of On-Peak or Off-Peak Hours.


ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECCR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

BILLING DEMAND

The billing demand for any month as shown by or computed from the readings of the Company’s demand meter for the 15-minute period of the customer’s greatest use during the month, determined to the nearest kW, but not less than 10 kW.
RATE GDT – GENERAL DEMAND TIME-OF-USE SERVICE (continued)

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge and billing demand charges for the Billing Demand for that month.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

TRANSFORMER OWNERSHIP CREDIT

Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit, listed above, per kW of billing demand.

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered demand and energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantities shall be the basis of billing the charges hereunder.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RATE LST – LARGE ELECTRIC TIME-OF-USE SERVICE

AVAILABLE

Service under this rate is available to any Non-Residential Iowa Customer. This service is available to standby or supplementary service, under written agreement only, in conjunction with applicable Company riders for such service.

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single-or three-phase, at secondary voltages offered by the Company, and as further described in the Company’s terms and conditions.

NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Description</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Service Charge:</td>
<td>$ 175.00</td>
<td></td>
</tr>
<tr>
<td>Energy Charge:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-Peak</td>
<td>$ 0.15640</td>
<td>$ 0.03675</td>
</tr>
<tr>
<td>All Other</td>
<td>$ 0.05448</td>
<td>$ 0.03675</td>
</tr>
<tr>
<td>Off-Peak</td>
<td>$ 0.03297</td>
<td>$ 0.03341</td>
</tr>
<tr>
<td>Demand Charge:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Per kW</td>
<td>$ 4.81</td>
<td>$ 4.56</td>
</tr>
<tr>
<td>Reactive Demand Charge:</td>
<td>$ 0.50 per kVar</td>
<td></td>
</tr>
<tr>
<td>Transformer Ownership Credit:</td>
<td>$ 0.30 per kW</td>
<td></td>
</tr>
</tbody>
</table>

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.
RATE LST – LARGE ELECTRIC TIME-OF-USE SERVICE
(continued)

On-Peak Hours: Hours between 1:00 p.m. and 6:00 p.m. Monday through Friday.

Off-Peak Hours: Hours between 10:00 p.m. and 8:00 a.m. every day.

All Other Hours: All hours not included in the definition of On-Peak or Off-Peak Hours.


ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

BILLING DEMAND

The billing demand for any month as shown by or computed from the readings of the Company’s demand meter for the 15-minute period of the customer’s greatest use during the month, determined to the nearest kW, but not less than 200 kW.
RATE LST – LARGE ELECTRIC TIME-OF-USE SERVICE
(continued)

REACTIVE DEMAND CHARGE

A reactive demand charge shall be made for each kVar by which the customer’s maximum reactive demand in kVar is greater than 50 percent of the customer’s maximum kW demand in the same month.

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge and billing demand charges for the Billing Demand for that month.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

TRANSFORMER OWNERSHIP CREDIT

Should the customer elect to furnish transformers that would normally be furnished by the Company, the customer will receive a credit, listed above, per kW of billing demand.

ADJUSTMENT FOR PRIMARY METERING

The Company may, at its sole option, install the metering equipment on the high-voltage side of the service transformers. In that event, the customer’s metered demand and energy shall be decreased by one and two-tenths percent (1.2%) and such decreased quantities shall be the basis of billing the charges hereunder.
RATE LST – LARGE ELECTRIC TIME-OF-USE SERVICE
(continued)

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RATE SST – SUBSTATION TIME-OF-USE SERVICE

AVAILABLE

Service under this rate is available to any Non-Residential Iowa customer as follows:

- For demands up to 15,000 kW when served directly from a Company-owned substation that is on or directly adjacent to the customer’s Premises and operates at a primary voltage of 69 kV or greater.
- For demands up to 3,000 kW when served directly from a customer-owned substation that is on or directly adjacent to the customer’s Premises and operates at a primary voltage of 69 kV or greater.

This service is available to standby or supplementary service, under written agreement only, in conjunction with applicable Company riders for such service.

APPLICATION

Applicable for firm use of the Company’s electric service furnished to a single Premises through one (1) meter.

CHARACTER OF SERVICE

Alternating current, 60 Hz, three-phase, at substation voltages. The Company, in its sole discretion, shall determine whether the Customer’s Premises should be served from a substation.
## RATE SST – SUBSTATION TIME-OF-USE SERVICE

### NET MONTHLY RATE PER METER

<table>
<thead>
<tr>
<th>Component</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Basic Service Charge:</strong></td>
<td>$ 175.00</td>
<td></td>
</tr>
<tr>
<td><strong>Energy Charge:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On-Peak</td>
<td>$ 0.15328</td>
<td>$ 0.03606</td>
</tr>
<tr>
<td>All Other</td>
<td>$ 0.05343</td>
<td>$ 0.03606</td>
</tr>
<tr>
<td>Off-Peak</td>
<td>$ 0.03235</td>
<td>$ 0.03279</td>
</tr>
<tr>
<td><strong>Demand Charge:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Per kW</td>
<td>$ 3.00</td>
<td>$ 2.75</td>
</tr>
<tr>
<td><strong>Reactive Demand Charge:</strong></td>
<td>$ 0.50 per kVar</td>
<td></td>
</tr>
</tbody>
</table>
RATE SST – SUBSTATION TIME-OF-USE SERVICE (continued)

Summer: Applicable during the four monthly billing periods of June through September.

Winter: Applicable during the eight monthly billing periods of October through May.

On-Peak Hours: Hours between 1:00 p.m. and 6:00 p.m. Monday through Friday.

Off-Peak Hours: Hours between 10:00 p.m. and 8:00 a.m. every day.

All Other Hours: All hours not included in the definition of On-Peak or Off-Peak Hours.


ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. MC – Mitigation Cost Recovery Adjustment
8. TERM – Tax Expense Revision Mechanism

N
RATE SST – SUBSTATION TIME-OF-USE SERVICE (continued)

BILLING DEMAND

The billing demand for any month as shown by or computed from the readings of the Company’s demand meter for the 15-minute period of the customer’s greatest use during the month, determined to the nearest kW, but not less than 200 kW.

REACTIVE DEMAND CHARGE

A reactive demand charge shall be made for each kVar by which the customer’s maximum reactive demand in kVar is greater than 50 percent of the customer's maximum kW demand in the same month.

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge and billing demand charges for the Billing Demand for that month.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.
GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RATE DAP – DAY AHEAD HOURLY PRICING

CLASS OF SERVICE

Day ahead hourly pricing.

AVAILABILITY

Available as a pilot project only to the University of Iowa.

CHARACTER

Alternating current: 60 Hz; single- or three-phase, at primary voltages offered by the Company, as further described in the Company’s Electric Service Policies.

BILLING FOR SERVICE

Bills for service under this tariffed rate will be computed in two separate parts. The first part will reflect charges for the Customer’s Baseline Usage; the second part will reflect charges for Deviations from Baseline Usage.

BASELINE USAGE

Hourly Baseline Usage will be determined using Customer actual hourly loads for the previous twenty-four months adjusted for forecasted energy increases/decreases as determined in consultation with the Customer. Hourly Baseline Usages will be differentiated by month and by weekday or weekend/holiday day type. Initial Baseline Usages will be specified in the Customer’s Electric Service Contract. Changes to Baseline Usage may be made from time to time as agreed upon by the Customer and the Company. No more than two changes per month may be made to the Baseline Usage amounts.

DEVIATIONS FROM BASELINE USAGE

Deviations from Baseline Usage quantities will be computed on an hourly basis by subtracting the Customer’s Baseline Usage from the Customer’s metered load purchased from the Company.
RATE DAP – DAY AHEAD HOURLY PRICING (continued)

CHARGES

BASELINE USAGE

Charges for service under this section of the rate will be applied to the Customer’s Baseline Usage, will be specific to the Customer and will be included in the Customer’s Electric Service Contract. The form of those charges will be as follows:

Basic Service Charge: a flat amount per month

Energy Charges: (Subject to adjustment clauses and riders herein.)
  Summer off-peak energy charge
  Winter on-peak energy charge
  Winter off-peak energy charge

Summer - Applicable during the four monthly billing periods of June through September.
Winter - Applicable during the eight monthly billing periods of October through May.

On-Peak Hours-Daytime periods between 6:00 a.m. and 10:00 p.m. Monday through Friday during the month, excluding the United States legal holidays of New Year’s Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and other holidays as specified in the Customer’s Electric Service Contract.

Off-Peak Hours - All hours not included in the definition of On-Peak Hours.
RATE DAP – DAY AHEAD HOURLY PRICING (continued)

DEVIATIONS FROM BASELINE USAGE

Energy Charges (subject to adjustment clauses and riders herein.)

Charges for service under this section of the rate will be made on a daily basis at the MISO MEC.MECB DA Load Zone (Day-Ahead) price as published by the Midcontinent Independent System Operator, Inc. (MISO).

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause
7. TERM – Tax Expense Revision Mechanism
COORDINATION WITH CURTAILMENT SERVICE

A Customer taking service under this rate may also enroll in Rider CS - Curtailment Service if the customer meets all Rider CS - Curtailment Service requirements. Rider CS - Curtailment Service will be considered to have the higher priority of the two rate schedules. On days when the Company declares a curtailment period, customer shall remove its curtailable load from MidAmerican’s system as required under the terms of Rider CS: Curtailment Service. Customer will not be compensated for Deviations from Baseline Usage under this Rate DAP tariff during any curtailment period declared by the Company. The terms of Rider CS: Curtailment Service shall govern during any curtailment period declared by Company.

CUSTOMER AND COMPANY REQUIREMENTS

The Customer will provide to the Company a schedule that will include by hour: (1) Minimum Day-Ahead prices above which it will reduce its load purchased from the Company, and; (2) the amounts in MW by which it will reduce such load at each specified Day-Ahead price. Customer may change its load reduction schedule up to 90 minutes prior to the MISO’s deadline for submissions on the day that schedule will be bid into the day-ahead MISO market. Under the current MISO deadline of 10:00 a.m. Central Standard Time, changes may be made until 8:30 a.m. Central Standard Time.

The Company will notify the Customer of the amount of Customer load reductions that was accepted in the day-ahead MISO market no later than one hour after the MISO issues its day-ahead market results, currently scheduled for 3:00 p.m. Central Standard Time on the day the schedule was bid into the market.

The Customer will make the accepted load reductions on an hourly basis beginning at 12 a.m. Central Standard Time on the following day. If the Customer does not make the load reductions as agreed for that hour, the MISO MEC.MECB RT Price + RT RSG charges as published by MISO for that hour may be substituted for Day-Ahead prices for billing of the difference between the actual load reductions and the accepted load reductions, as determined by the Company.
RATE DAP – DAY AHEAD HOURLY PRICING (continued)

ELECTRIC SERVICE CONTRACT

A service contract between the Customer and the Company that includes at a minimum, the term of service, the Baseline Usages and the Baseline Usage charges, is required to take service under this tariffed rate.

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month of the past due amount will be added to the amount of the bill where payment is not made within twenty days of the rendition of the bill.

SERVICE FACILITIES

Service will be furnished at the nominal voltage of 7,600/13,200 volts, three-phase, four-wire, or at such higher voltage as may be available on the Company's system at the location served. The delivery voltage will be specified in the Customer's Electric Service Agreement. The Customer shall furnish all transformers, circuit breakers, and other equipment required for taking service at the voltage specified.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.
RESERVED FOR FUTURE USE
RESERVED FOR FUTURE USE
MIDAMERICAN ENERGY COMPANY
Electric Tariff No. 2
Filed with the Iowa Utilities Board

2nd Revised Sheet No. 324
Canceling 1st Revised Sheet No. 324

RESERVED FOR FUTURE USE

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D
RESERVED FOR FUTURE USE
RATE QF – COGENERATION AND SMALL POWER PRODUCTION FACILITIES

AVAILABILITY

This rate schedule is available to owners of Qualifying Facilities as defined by 18 CFR Part 292, Subpart B that are electric customers of the Company providing energy and, as applicable, capacity “as available” within the meaning of 18 CFR Part 292.304(d)(1) and meet each of the following conditions:

- Have qualifying facility status under 18 CFR 292, whether by self-certification or otherwise;
- Have entered into an electric service agreement with MidAmerican for interconnection and operation of on-site parallel distributed generation systems; and
- Have a nameplate capacity of 100 kW or less.

LIMITATIONS OF THIS SERVICE

The rates, terms and conditions for purchases by the Company from a Qualifying Facility which has a design capacity of greater than 100 kilowatts, and is located in the Company’s Iowa service area will be determined either as specified in this rate schedule or in a contested case proceeding before the Iowa Utilities Board, at the option of the Qualifying Facility, unless rates are otherwise agreed to in a written contract entered into by the Company and the Qualifying Facility.

The Company shall offer to negotiate a legally enforceable obligation (LEO) to purchase energy and capacity from any Qualifying Facility with a capacity up to and including 100 kW. The LEO shall be for a specific term at a rate based upon avoided costs. At the option of the Qualifying Facility, the avoided costs may be determined at the time of delivery or at the time the obligation in incurred.

The Company is not required to enter into contracts with any Qualifying Facility with net capacity of greater than 20,000 kilowatts pursuant to the order of the Federal Energy Regulatory Commission in Docket No. QM-09-5-000 issued August 12, 2009.

For information on non-discriminatory access to markets, the Qualifying Facility should contact the Midcontinent Independent System Operator, Inc (MISO).
RATE QF – COGENERATION AND SMALL POWER PRODUCTION FACILITIES (continued)

NET MONTHLY RATE:

The Net Monthly Purchase Rate shall be the sum of the Basic Service Charge, the applicable Energy Credit, and the applicable Capacity Credit.

Basic Service Charge:

$8.41 per month

Energy Credit:

The Energy Credit shall be calculated using the following formula:

\[
EC = \sum (HE \times HAC \times \frac{\$1.00}{100 \, \text{¢}})
\]

Where:

- \( EC \) = Energy Credit in dollars rounded to the nearest cent, determined for the monthly billing period.
- \( HE \) = Hourly Energy, in kWh, equal to the kWh produced by the Qualifying Facility and delivered to the Company under this rate schedule in an hourly period in the monthly billing period.
- \( HAC \) = Hourly Avoided Cost, in cents per kWh, equal to the corresponding hourly real-time MISO locational marginal price (LMP) for commercial pricing node MEC.MECB, adjusted for distribution losses to reflect the level at which the Qualifying Facility connects to the Company’s system.
Capacity Credit:

Applicable for generation capacity received only during the summer, and summer on-peak periods defined as:

Summer - Applicable during the four (4) monthly billing periods of June through September

Winter - Applicable during the eight (8) monthly billing periods of October through May.

On-Peak Hours: Hours between 6:00 a.m. and 10:00 p.m. Monday through Friday.


Off-Peak Hours: All hours not included in the definition of On-Peak Hours.

Capacity credit will be based on the MISO Zone 3 capacity auction clearing price adjusted for transmission and distribution losses to reflect the level at which the Qualifying Facility connects to the Company's system, as follows:
RATE QF – COGENERATION AND SMALL POWER PRODUCTION FACILITIES (continued)

Capacity Credit (continued):

\[ A = \frac{B \times D}{C} \]

where:
- \( A \) is the capacity credit.
- \( B \) is the kWh delivered during the applicable summer on-peak period.
- \( C \) is the number of hours in the applicable summer on-peak period.
- \( D \) is the current planning year MISO Zone 3 capacity auction clearing price adjusted for transmission and distribution losses to reflect the level at which the Qualifying Facility connects to the Company’s system adjusted to a monthly basis.

Distribution Losses:

The following distribution loss factors shall be used to calculate the energy and capacity credits:

<table>
<thead>
<tr>
<th>Rate Codes</th>
<th>Capacity Loss Factors</th>
<th>Energy Loss Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS, RST, GE, GET, GD, GDT, MWP, TC, SL and AL</td>
<td>8.36%</td>
<td>6.19%</td>
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<tr>
<td>LS and LST</td>
<td>6.15%</td>
<td>4.33%</td>
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<tr>
<td>SS, SST and ICR</td>
<td>3.01%</td>
<td>2.21%</td>
</tr>
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</table>

Transmission Losses:

The transmission loss factor used to calculate the capacity credit shall be the MidAmerican Energy Company transmission owner loss data currently posted with MISO. This factor is subject to change and can be found at www.misoenergy.org.
RATE QF – COGENERATION AND SMALL
POWER PRODUCTION FACILITIES (continued)

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment

Customer billing or payment each month will be net of interconnection sales and purchases as separately stated.

TYPICAL GENERATION PROFILES

For the purpose of computing the cash-out amount specified in the Company’s Rate PG Pilot tariff, the amount paid will be the weighted average of the real-time LMPs associated with the typical solar or wind resource generation profile listed below.

**Solar**

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<th>Hour</th>
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**Monthly Allocation**

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</tr>
</tbody>
</table>
The cash-out for Customers on Rate PG Pilot, with a generation resource other than solar or wind, will be calculated by the weighted average of the real-time LMPs associated with a typical generation profile for the applicable resource.
RATE QF – COGENERATION AND SMALL POWER PRODUCTION FACILITIES (continued)

BILLING AND PAYMENT

The Company shall provide to the Qualifying Facility, and the Qualifying Facility shall pay for, electric service at the rate(s) on file with the Iowa Utilities Board for sales to other customers with similar load or other cost-related characteristics.

Service Charge. A Service Charge shall be paid by the Qualifying Facility to the Company in order to cover recurring costs for meter reading, bill and credit calculations, and accounting and related matters. The Service Charge is subject to the Tax Adjustment.

Billing by the Company shall be rendered monthly. The term “monthly” for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Qualifying Facility, such readings to be taken as nearly as may be practicable every thirty days. The billings shall be calculated using the applicable rate(s).

Bills are due within twenty days from the date the bill is rendered to the customer. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.

Payment by the Company, if any, shall be made to the Qualifying Facility within twenty days from the date the meter is read. The Company’s obligation for billing and payment to the Qualifying Facility for energy delivered to the Company shall not commence until the Company has provided written approval for operation.
RATE QF – COGENERATION AND SMALL POWER PRODUCTION FACILITIES (continued)

CONTRACT TERMS AND CONDITIONS

The provisions of this rate schedule shall be deemed to be terms and conditions of the written contract entered into by the Company for deliveries of energy from Qualifying Facilities to the Company and purchases of energy by Qualifying Facilities from the Company. A copy of this tariff will be provided to the Qualifying Facility. This rate schedule is subject to change upon approval by the Iowa Utilities Board. In addition, service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapter 45 and Section 7 of this tariff, Electric Interconnection of Distributed Generation Facilities.

ADDITIONAL PROVISIONS

Administrative Rules: Qualifying Facilities must comply with all applicable rules of the Iowa Utilities Board including, but not limited to, 199 IAC Sections 15.1 through 15.10 and 199 IAC Chapter 45.

Excess Production: The owner or operator of a Qualifying Facility may elect to deliver all of the Qualifying Facility’s production to the Company under this rate schedule, or may elect to deliver a portion of the production in excess of the Qualifying Facility’s own requirements but may not alternate between such elections except that the election may be revised after 12 months have elapsed.

Permits and Inspection Fees: The Qualifying Facility shall secure without cost to the Company all necessary permits for the installation and operation of the electrical wiring and equipment on the Qualifying Facility’s premises and to the point of interconnection. If the Qualifying Facility is not the owner of the premises, or of intervening property between the premises and the Company's lines, the Qualifying Facility shall obtain from the proper owner, or owners, the necessary easement for the installation and maintenance on said premises or such intervening property of all wiring and other electrical equipment required for sale of electricity to the Company.
RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY PRODUCERS AND SMALL HYDRO FACILITIES

AVAILABILITY

This rate schedule is limited to Customers who filed complete interconnection applications prior to May 4, 2017 and applicable to Net Billed Facilities with metered energy only, which are defined as Alternate Energy Production Facilities or Small Hydro Facilities as such terms are defined by Section 476.42, Iowa Code. Such facilities will be referred to in this rate schedule individually as “Net Billed Facility.”

This rate schedule is available pursuant to a written contract entered into by the Company for Net Billed Facilities located in the Company’s Iowa electric service area.

A Net Billed Facility means any of the following:

- An electric production facility which derives 75 percent or more of its energy input from solar, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues, or wood-burning;
- A hydroelectric facility at a dam;
- Cogeneration facility or a small power production facility that has a design capacity of 100 kilowatts or less and which has obtained qualifying status under 18 CFR Part 292, Subpart B;
- Land, systems, buildings, or improvements that are located at the project site and are necessary or convenient to the construction, completion or operation of the facility; or
- Transmission or distribution facilities necessary to conduct the energy produced to the purchasing utility.

NET BILLING ARRANGEMENT

A Net Billed Facility shall satisfy each of the following requirements:

- Have one geographic location or point of service from the Company;
- Have an aggregated nameplate capacity of 500 kW or less; and
- Generating capacity and associated energy is intended to serve only the electric requirements of the owner of the Facility.
Facilities with a design capacity of over 500 kW may utilize this Net Billing Arrangement for up to 500 kW of design capacity of the Facility, and may request service under Rate AEP or Rate QF for the undesignated balance of the Facility’s capacity. Facilities with aggregate nameplate capacity over 500 kW may contract for a portion of their facilities up to 500 kW as net metered, described below.

The term of the contract between the Company and the Facility under Net Billing Arrangement shall be specified by the Facility in the contract but shall not exceed twenty (20) years. Such contracts may be assigned for collateral purposes, or may be assigned by the Company in conjunction with a reorganization, but otherwise shall not be assignable without written consent of the parties. Consent will not be unreasonably withheld by the Company.

Standby and Supplementary Power Service is not required for Net Billed Facilities.

**METERING EQUIPMENT**

The Company will install and provide, at no additional cost to the Facility, metering equipment at the point of service to the Facility of one of the following types:

- Metering capable of measuring and recording energy flows, on a kWh basis, from the Company to the Facility and from the Facility to the Company, with each direction energy flow recorded independently.

- Metering capable of measuring power flows in each direction on an hourly or other real-time basis. The Facility to receive real-time metering equipment shall be determined in consultation with the Iowa Utilities Board and the Iowa Department of Justice Office of Consumer Advocate.

The Facility shall not be responsible for the costs of the metering equipment installed in accordance with this provision except:

- To the extent that metering costs are reflected in the purchase rate applicable to its type or class of utility service; and

- In the case of facilities with design capacity of 500 kW or greater, for metering equipment that may be installed pursuant to the terms of a negotiated contract.
SALES AND PURCHASES

In addition to the Basic Service Charge under this rate schedule, the Facility shall be responsible for payment of any applicable Basic Service Charge or other applicable charges approved by the Iowa Utilities Board that are not collected on the basis of metered registration.

For charges collected on the basis of metered registration, the Company shall, for each monthly billing period, determine the net meter registration of the Facility by comparing the directional energy flow in each direction.

If the net meter registration shows that the deliveries of energy in kWh from the Facility to the Company exceed the deliveries of energy in kWh from the Company to the Facility, the net meter registration in kWh will be carried forward to the next monthly billing period as a Private Energy Credit, expressed in kWh. If the Facility has carried over a Private Energy Credit from one or more prior months, the net meter registration from the current month shall be added to the Private Energy Credit that exists from prior months.

If the net metering registration shows that deliveries of energy in kWh from the Company to the Facility exceed the deliveries of energy in kWh from the Facility to the Company, the Facility shall pay the Company for the net amount of energy delivered by the Company after application of any Private Energy Credit carried forward from previous months at the rate applicable to its type or class of electric service.

The Company shall not be required to convert the Private Energy Credit to cash.
RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY PRODUCERS AND SMALL HYDRO FACILITIES (continued)

NET METERING FACILITIES WITH AGGREGATE NAMEPLATE CAPACITY OVER 500 kW

If a customer’s aggregate Net Billed Facility nameplate capacity at a location exceeds 500 kW, the Company shall install a meter capable of recording the customer’s total energy inflow and total energy outflow separately, at no additional cost to the customer.

The customer’s total energy outflow shall be divided into separate “net metering” and “purchase” portions.

- The “net metering” portion shall be a prorated amount, calculated by applying the total energy outflow to a ratio of: 500 KW to the aggregate nameplate capacity at the location.
- The remaining energy outflow shall be the “purchase” portion.

Metered energy billed to the customer shall be the total energy inflow less the “net metering” portion of total energy outflow for the same period and same location. Any “net metering” outflow kWh balances shall be carried forward to the next billing month. The “purchase” portion of total energy outflow shall be purchased by the Company under Rate AEP or Rate QF.
RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY PRODUCERS AND SMALL HYDRO FACILITIES (continued)

BILLING AND PAYMENT

Billing by the Company shall be rendered monthly. The term “monthly” for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Facility, such readings to be taken as nearly as may be practicable every thirty days. The billings shall be calculated using the applicable rate(s).

Bills are due within twenty days from the date the bill is rendered to the customer. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.

Payment by the Company, if any, shall be made to the Facility within twenty days from the date the meter is read. The Company’s obligation for billing and payment to the Facility for energy delivered to the Company shall not commence until the Company has provided written approval for operation.
RATE NB - NET BILLING OF SMALL ALTERNATE ENERGY PRODUCERS AND SMALL HYDRO FACILITIES (continued)

CONTRACT TERMS AND CONDITIONS

The provisions of this rate schedule shall be deemed to be terms and conditions of the written contract entered into by the Company for deliveries of energy from Facilities to the Company and purchases of energy by Facilities from the Company. A copy of this tariff will be provided to the Facility. Service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and Section 7, “Electric Interconnections.”

The Facility shall deliver electricity to the Company on a best-efforts basis during the contract term.

SUPPLYING INTERCONNECTION PLANS AND COMPANY APPROVAL

The Facility agrees to submit an interconnection plan not less than thirty days prior to connection and for approval of the Company. The Facility and its interconnection plan are subject to written Company approval pursuant to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and Section 7, “Electric Interconnections.”

ADDITIONAL PROVISIONS

No later than July 1, 2006, and at five-year intervals thereafter, the Company shall file with the Board a report outlining its experience with this rate schedule. This report may recommend changes to the rate schedule. The Board shall review the report and issue a response.

This Periodic Review is not intended to preclude interested persons, including the Company, from requesting the Board to modify or cancel the Rate Schedule at other times.
RATE AEP – ALTERNATE ENERGY PRODUCTION FACILITIES
CONTRACT PROVISION OFFERED

AVAILABILITY

This rate schedule is applicable to purchases by the Company from an Alternate Energy Production Facility or a Small Hydro Facility as such terms are defined by Section 476.42, Iowa Code. Such facilities will be referred to in this rate schedule as “Facility.”

Purchases by the Company under this rate schedule are pursuant to a written contract for interconnection and operation of on-site parallel distributed generation systems entered into by the Company and the owner or operator of the Facility that is located in Company’s Iowa electric service area.

LIMITATIONS OF THIS SERVICE

The Company is required to purchase 55,200 kW of AEP generating capacity and associated energy production for its Iowa operations. In Docket No. AEP-07-1, the Iowa Utilities Board approved facilities exclusively dedicated to satisfying this requirement for MidAmerican. Any changes to these designations are subject to Iowa Utilities Board approval.

A Facility shall be any of the following:
- An electric production facility which derives 75 percent or more of its energy input from solar, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues, or wood-burning;
- A hydroelectric facility at a dam;
- Land, systems, buildings, or improvements that are located at the project site and are necessary or convenient to the construction, completion or operation of the facility; or
- Transmission or distribution facilities necessary to conduct the energy produced to the purchasing utility.
RATES FOR SALE TO CUSTOMERS AND PURCHASE BY COMPANY

The Facility shall select one of the following metering arrangements for the sale to and purchase from the Company:

1. “Simultaneous Purchase and Sale Arrangement” with one meter measuring sales to the Company and a separate meter measuring purchases from the Company, subject to the terms and conditions in “Simultaneous Purchase and Sale Arrangement” subsection, below.

2. “Net Billing Arrangement” with a single meter monitoring only the net amount of electricity sold or purchased subject to the terms and conditions in Rate NB – Net Billing of Small Alternate Energy Producers and Small Hydro Facilities, Rate PG Pilot – Net Billing of Private Generation Facilities Pilot or Rate IO – Inflow/Outflow Billing of Eligible Distributed Generation Facilities.

The Facility may change from one metering arrangement to the other, as it deems necessary, provided it pays all the costs attributable to such change.

SIMULTANEOUS PURCHASE AND SALE ARRANGEMENT

All energy produced by the Facility shall be considered purchased by the Company. All energy consumed by the Facility shall be considered sold to the Facility by the Company.

Metering Equipment

Unless net metering is the only rate schedule selected, one meter shall be installed to measure sales to the Company. A separate meter shall be installed to measure purchases from the Company.

The Facility shall reimburse the Company for the cost, installation and maintenance of any supplemental metering equipment necessary that would not be required for service provided to a customer having no Facility.
SIMULTANEOUS PURCHASE AND SALE ARRANGEMENT (continued)

The Facility is prohibited from arranging or modifying its facilities to sell back to the Company the same energy it purchased.

Sales and Purchases

All electricity provided by the Facility is considered sold to the Company at a negotiated buy-back rate. If eligible for rate QF, a Facility may select to sell energy and capacity under that rate schedule. A Basic Service Charge of $8.41 per month shall be paid by the Facility to the Company in order to recover recurring costs for meter reading, bill and credit calculations, and accounting and related matters. Services, other than those covered by the Basic Service Charge, which are requested by the Facility and provided by the Company will be billed at applicable rates. The Basic Service Charge is subject to Clause ETA – Electric Tax Adjustment.

All electricity used by the Facility shall be sold to the Facility, and the Facility shall pay for, electric service at the rate(s) on file with the Iowa Utilities Board for sales to other customers with similar load or other cost-related characteristics.

The billing for sales and billing for purchases of energy by the Facility shall be separately calculated. The resulting dollars for purchases and sales may be combined on the Facility monthly utility bills.

NET BILLING ARRANGEMENT

BILLING AND PAYMENT

Billing by the Company shall be rendered monthly. The term “monthly” for billing purposes hereunder shall mean the period between any two consecutive regular readings by the Company for the meter(s) at the Facility, such readings to be taken as nearly as may be practicable every thirty days. The billings shall be calculated using the applicable rate(s).

Bills are due within twenty days from the date the bill is rendered to the customer. Bills not paid within the twenty day period will be assessed a late payment charge. The late payment charge is equal to 1.5 percent per month of the past due amount.

Payment by the Company, if any, shall be made to the Facility within twenty days from the date the meter is read. The Company’s obligation for billing and payment to the Facility for energy delivered to the Company shall not commence until the Company has provided written approval for operation.

CONTRACT TERMS AND CONDITIONS

The provisions of this rate schedule shall be deemed to be terms and conditions of the written contract entered into by the Company for deliveries of energy from Facilities to the Company and purchases of energy by Facilities from the Company. A copy of this tariff will be provided to the Facility. Service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapter 45 and Section 7 of this tariff, “Electric Interconnections.”

The Facility shall deliver electricity to the Company on a best-efforts basis during the contract term.

Supplying Interconnection Plans and Company Approval.

The Facility agrees to submit an interconnection plan not less than thirty days prior to connection and for approval of the Company. The Facility and its interconnection plan is subject to written Company approval pursuant to the terms and conditions outlined in 199 Iowa Administrative code (IAC) Chapter 45 and Section 7 of this tariff, “Electric Interconnections.”
ADDitional provisions

Administrative Rules
Prior to interconnecting with the Company’s electric system and at all times during continuation of such interconnection, the Facility must satisfy the requirements of Sections 476.41 through 476.45, Iowa Code, and 199 IAC Sections 15.10(1), 15.10(3) through 15.10(6), 15.11(1) and 199 IAC Chapter 45.

Permits and Inspection Fees
The Facility shall secure without cost to the Company all necessary permits for the installation and operation of the electrical wiring and equipment on the Facility’s premises and to the point of interconnection. If the Facility is not the owner of the premises, or of intervening property between the premises and the Company's lines, the Facility shall obtain from the proper owner, or owners, the necessary easement for the installation and maintenance on said premises or such intervening property of all wiring and other electrical equipment required for sale of electricity to the Company.
RATE RMS – RESIDENTIAL MASTER METERED SERVICE

AVAILABLE

Service under this rate is available only to Residential Iowa Customers of the Altoona Towers Master Meter Pilot Project for use in single-family dwelling units and common areas inside of the pilot facilities. This service is not available for resale, standby or supplemental service.

APPLICATION

Service under this rate schedule will be furnished only to single occupancy dwellings and common areas inside of the pilot facilities.

Where a portion of the facilities are used regularly for business or professional purposes, the Master Meter Pilot Project will be terminated, the premises will be classified as non-residential and the appropriate price schedule applied. However, if the service for residential purposes can be metered separately through appropriate wiring, the residential classification and Master Meter Pilot Project rate will be applied to such service.

Service in the classification is not available to any structure or facility not attached to the pilot facilities. Such unattached structures or other facilities on the pilot facilities premises shall be served under a qualifying non-residential rate.

CHARACTER OF SERVICE

Alternating current, 60 Hz, single- or three-phase, at secondary voltages offered by the Company, and as further described in the Company’s terms and conditions.
RATE RMS – RESIDENTIAL MASTER METERED SERVICE (continued)

NET MONTHLY RATE PER BILLING METER

<table>
<thead>
<tr>
<th>Basic Service Charge:</th>
<th>$20.00</th>
</tr>
</thead>
</table>

**Energy Charge:**

<table>
<thead>
<tr>
<th>First 100,000 kWh</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0.10575</td>
<td>$0.08044</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>All over 100,000 kWh</th>
<th>Summer</th>
<th>Winter</th>
</tr>
</thead>
<tbody>
<tr>
<td>$0.10575</td>
<td>$0.04536</td>
<td></td>
</tr>
</tbody>
</table>

**Summer:** Applicable during the four monthly billing periods of June through September.

**Winter:** Applicable during the eight monthly billing periods of October through May.

ADJUSTMENT CLAUSES AND RIDERS

The above rates are subject to:

1. ETA – Electric Tax Adjustment
2. TCA – Transmission Cost Adjustment
3. EAC – Energy Adjustment Clause
4. EECR – Energy Efficiency Cost Recovery Adjustment
5. E – Equalization Adjustment Clause
6. PI – Phase-In Adjustment Clause

MINIMUM CHARGE

The minimum charge shall be the total of the Basic Service Charge.
RATE RMS – RESIDENTIAL MASTER METERED SERVICE (continued)

LATE PAYMENT CHARGE

A late payment charge of one and one-half percent (1.5%) per month shall be added to the past due amount if the bill is not paid by the due date.

GENERAL

Service hereunder is subject to the Electric Service Policies of the Company and any applicable adjustment clauses and riders included in this electric tariff schedule.
RATE PG PILOT - NET BILLING OF PRIVATE GENERATION FACILITIES PILOT

AVAILABILITY

This pilot program is applicable to net billed Private Generation Facilities, which are defined as Alternate Energy Production Facilities or Small Hydro Facilities as such terms are defined by Section 476.42, Iowa Code that file complete interconnection applications on or after May 4, 2017 and prior to December 1, 2020. Such facilities will be referred to in this rate schedule individually as “Private Generation Facility” or “Facility”.

This Rate PG Pilot is available pursuant to a written contract entered into by the Company for Private Generation Facilities located in the Company’s Iowa electric service area.
AVAILABILITY (continued)

A Private Generation Facility means any of the following:

- An electric production facility which derives 75 percent or more of its energy input from solar, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues, or wood-burning;
- A hydroelectric facility at a dam;
- Cogeneration facility or a small power production facility that has a design capacity of 100 kilowatts or less and which has obtained qualifying status under 18 CFR Part 292, Subpart B and are fueled by a renewable energy source;
- Land, systems, buildings, or improvements that are located at the project site and are necessary or convenient to the construction, completion or operation of the facility; or
- Transmission or distribution facilities necessary to conduct the energy produced to the purchasing utility.

NET BILLING ARRANGEMENT

A Net Billing Arrangement is available under any ownership structure, including facilities financed through third parties. A Private Generation Facility that qualifies for a net billing arrangement shall satisfy each of the following requirements:

- Have one geographic location or point of service from the Company;
- Have an aggregated nameplate capacity of 1 MW or less (up to 100 percent of the Customer’s load); and
- Generating capacity and associated energy is intended to serve only the electric requirements of the Customer.

In the context of the Rate PG Pilot tariff, the Customer’s load is defined as the Customer’s annual energy usage.
RATE PG PILOT - NET BILLING OF PRIVATE GENERATION FACILITIES PILOT (continued)

NET BILLING ARRANGEMENT (continued)

Customers with a Facility design capacity that exceeds their load or is over 1 MW may utilize this Net Billing Arrangement for up to 100 percent of their load, not to exceed 1 MW of design capacity of the Facility, and may request for the undesignated balance of the Facility’s capacity to be purchased by the Company under Rate AEP or Rate QF. Customers with a Facility aggregate nameplate capacity that exceeds their load or is over 1 MW may contract for a portion of their facilities up to 100 percent of their load, not to exceed 1 MW as net metered, described below.

The term of the contract between the Company and the Customer under Net Billing Arrangement shall be specified by the Customer in the contract but shall not exceed twenty-five (25) years. Such contracts may be assigned for collateral purposes, or may be assigned by the Company in conjunction with a reorganization, but otherwise shall not be assignable without written consent of the parties. Written consent will not be unreasonably withheld by the Company.

Standby and Supplementary Power Service is not required for Private Generation Facilities.

PRIVATE GENERATION FACILITIES WITH AGGREGATE NAMEPLATE CAPACITY THAT EXCEEDS 100 PERCENT OF THE CUSTOMER’S LOAD

In the event a Customer’s private generation is expected to be greater than 100 percent of their load, the Company shall install a meter capable of recording the Customer’s total energy inflow and total energy outflow separately.

The Company will estimate the expected output of the Customer’s Facility and compare that to the Customer’s historical (an average of three (3) years of data if available) or estimated annual usage. For solar Facilities, that estimate will be made by using the National Renewable Energy Laboratory’s PVWatts Calculator.
PRIVATE GENERATION FACILITIES WITH AGGREGATE NAMEPLATE CAPACITY THAT EXCEEDS 100 PERCENT OF THE CUSTOMER’S LOAD (continued)

The Customer’s total energy outflow shall be divided into separate “net metering” and “purchase” portions.

- The “net metering” portion shall be a prorated amount, calculated by applying the total energy outflow to a ratio of: 100 percent of the Customer’s annual energy usage to the aggregate nameplate capacity at the location.
- The remaining energy outflow shall be the “purchase” portion.

Metered energy billed to the Customer shall be the total energy inflow less the “net metering” portion of total energy outflow for the same period and same location. Any “net metering” outflow kWh balances (Private Energy Credits) shall be carried forward to the next billing month until the annual cash-out or termination of service. The monthly “purchase” portion of total energy outflow shall be purchased by the Company under Rate AEP or Rate QF.

Example: Customer with an average annual usage of 9,451 kWh installs a 12 kW AC solar array. Based on the PVWatts Calculator, the estimated annual solar production would be 18,133 kWh which would equal approximately 192% of the Customer’s load.

\[
\frac{18,133}{9,451} = 1.919 \\
9,451 \times 100\% = 9,451 \\
\frac{9,451}{18,133} = 52\%
\]

In this example, because the expected output of the Facility would be greater than 100 percent of the Customer’s average or estimated annual energy usage, the “net metering” portion of the total energy outflow would be 52% and the “purchase” portion would be the remaining 48%.
PRIVATE GENERATION FACILITIES WITH AGGREGATE NAMEPLATE CAPACITY OVER 1 MW

If a Customer’s aggregate Private Generation Facility nameplate capacity at a location exceeds 1 MW, the Company shall install a meter capable of recording the Customer’s total energy inflow and total energy outflow separately, the cost of which may be billed to the Customer pursuant to a negotiated contract.

The Customer’s total energy outflow shall be divided into separate “net metering” and “purchase” portions.

- The “net metering” portion shall be a prorated amount, calculated by applying the total energy outflow to a ratio of: 1 MW to the aggregate nameplate capacity at the location.
- The remaining energy outflow shall be the “purchase” portion.

Metered energy billed to the Customer shall be the total energy inflow less the “net metering” portion of total energy outflow for the same period and same location. Any “net metering” outflow kWh balances (Private Energy Credits) shall be carried forward to the next billing month until the annual cash-out or termination of service. The monthly “purchase” portion of total energy outflow shall be purchased by the Company under Rate AEP or Rate QF.

METERING EQUIPMENT

The Company will install and provide, at no additional cost to the Customer, metering equipment at the point of service to the Facility capable of:

- Measuring and recording energy flows, on a kWh basis, from the Company to the Facility and from the Facility to the Company, with each direction energy flow recorded independently; and/or
- Measuring power flows in each direction on an hourly or other real-time basis.
METERING EQUIPMENT (continued)

The Customer shall not be responsible for the costs of the metering equipment installed in accordance with this provision except:

- To the extent that metering costs are reflected in the purchase rate applicable to its type or class of utility service; and
- In the case of facilities with design capacity of 1 MW or greater, for metering equipment that may be installed pursuant to the terms of a negotiated contract.

SALES AND PURCHASES

The Customer shall be responsible for payment of any applicable Basic Service Charge, Demand Charge or other applicable charges approved by the Iowa Utilities Board that are not collected on the basis of metered energy (kWh) registration.

For charges collected on the basis of metered energy (kWh) registration, the Company shall, for each monthly billing period, determine the net meter registration of the Facility by comparing the directional energy flow in each direction.

If the net meter registration shows that the deliveries of energy in kWh from the Facility to the Company exceed the deliveries of energy in kWh from the Company to the Facility, the net meter registration in kWh will be carried forward to the next monthly billing period as a Private Energy Credit, expressed in kWh, until the annual cash-out or termination of service. If the Customer has carried over a Private Energy Credit from one or more prior months, the net meter registration from the current month shall be added to the Private Energy Credit that exists from prior months, until the annual cash-out or termination of service.
SALES AND PURCHASES (continued)

If the net metering registration shows that deliveries of energy in kWh from the Company to the Facility exceed the deliveries of energy in kWh from the Facility to the Company, the Customer shall pay the Company for the net amount of energy delivered by the Company after application of any Private Energy Credit carried forward from previous months at the rate applicable to its type or class of electric service.

ANNUAL CASH-OUT

Excess Private Energy Credits will be cashed-out annually at the avoided cost rate as described in the Company’s approved tariff, in the Avoided Cost Rate section of this rate schedule. The Customer may choose an annual cash-out that takes place during the first billing cycle of the calendar year or the April billing cycle each year.

Unless the Customer elects to transfer a larger share, the funds from the cash-out will be divided evenly between the Customer and the Company’s I CARE program to provide assistance to customers in need. To the extent the Customer wants to transfer more to the I CARE program, the Customer must elect the transfer percentage during the interconnection application. Additional transfers can be made in twenty-five percent (25%) increments. Customers can modify the election once each calendar year prior to December 1st.

The Customer’s portion of the cash-out funds will appear as a credit on the Customer’s bill.
CASH-OUT UPON TERMINATION OF SERVICE

When a Customer terminates service, any unused Private Energy Credits will be cashed-out at the avoided cost rate as specified in the Avoided Cost Rate section of this rate schedule at the time of termination.

The Customer’s portion of the cash-out funds will appear as a credit on the Customer’s final bill with any balance refunded by check.

AVOIDED COST RATE

The avoided cost rate for purposes of cash-out in this rate schedule shall be a weighted average of the real-time Midcontinent Independent System Operator, Inc., locational marginal price associated with the typical solar or wind resource generation profiles specified in the Company’s Rate QF – Cogeneration and Small Power Production Facilities rate schedule. The avoided cost rate will be updated on an ongoing basis and is subject to change.
BILLING AND PAYMENT

Billing by the Company shall be rendered monthly. The term “monthly” for billing purposes hereunder shall mean the period between any two (2) consecutive regular readings by the Company for the meter(s) at the Facility, such readings to be taken as nearly as may be practicable every thirty (30) days. The billings shall be calculated using the applicable rate(s).

Bills are due within twenty (20) days from the date the bill is rendered to the Customer. Bills not paid within the twenty (20) day period will be assessed a late payment charge. The late payment charge is equal to one and one-half percent (1.5%) per month of the past due amount.
BILLING AND PAYMENT (continued)

Payment by the Company, if any, shall be made to the Customer within twenty (20) days from the date the meter is read. The Company’s obligation for billing and payment to the Customer for energy delivered to the Company shall not commence until the Company has provided written approval for operation.

CONTRACT TERMS AND CONDITIONS

The provisions of this Rate PG Pilot shall be deemed to be terms and conditions of the written contract entered into by the Company for deliveries of energy from Facilities to the Company and purchases of energy by Customers from the Company. A copy of this tariff will be provided to the Customer. Service hereunder is subject to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and Section 7 of this tariff, “Electric Interconnections.”

The Facility shall deliver electricity to the Company on a best-efforts basis during the contract term.

Service hereunder is subject to the Electric Service Policies of the Company and applicable Riders included in this electric tariff schedule.

The Customer shall be subject to the provisions of the Company’s requirements for interconnection as the provisions exist and may change from time to time.

SUPPLYING INTERCONNECTION PLANS AND COMPANY APPROVAL

The Customer agrees to submit an interconnection plan not less than thirty (30) days prior to connection and for approval of the Company. The Facility and its interconnection plan are subject to written Company approval pursuant to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and Section 7 of this tariff, “Electric Interconnections.”
SUNSET PROVISION

This tariff will be available for no less than three (3) years, but no more than five (5) years, from its effective date. If at the end of the study period, the Board determines that these tariff changes should not be incorporated on a permanent basis, the Customers taking service under this tariff shall be allowed to remain on the tariff for the life of their interconnected equipment, not to exceed twenty-five (25) years. Notwithstanding any other provisions of this tariff, all rates and charges contained in this tariff may be modified at any time by a subsequent filing made pursuant to the provisions of Chapter 476 of the Code of Iowa.
RATE IO – INFLOW/OUTFLOW BILLING OF ELIGIBLE DISTRIBUTED GENERATION FACILITIES

AVAILABILITY

This rate is available to Eligible Distributed Generation Facilities as defined by Section 476.49, Iowa Code that file complete interconnection applications on or after December 1, 2020. Such facilities will be referred to in this rate schedule individually as “Eligible Distributed Generation Facility” or “Facility”.

Customers currently receiving service under Rate NB – Net Billing of Small Alternate Energy Producers and Small Hydro Facilities or Rate PG Pilot – Net Billing of Private Generation Facilities Pilot shall have the option to take service under this rate. If an existing Rate NB or Rate PG Pilot Customer chooses to take service under this rate, the Customer:

- Cannot return to Rate NB or Rate PG Pilot at a later date;
- Will be switched for the first billing cycle that begins at least fifteen (15) days after the request to switch is received; and
- Cannot carry over any Net Metering (Private Energy) Credits from Rate NB or Rate PG Pilot. Any Net Metering (Private Energy) Credits acquired while on Rate NB will be forfeited when switching to Rate IO. Any Net Metering (Private Energy) Credits acquired while on Rate PG will be cashed-out as described in the Rate PG tariff when switching to Rate IO.

This Rate IO is available pursuant to a written contract entered into by the Company for Eligible Distributed Generation Facilities located in the Company’s Iowa electric service area.
RATE IO – INFLOW/OUTFLOW BILLING OF ELIGIBLE DISTRIBUTED GENERATION FACILITIES (continued)

AVAILABILITY (continued)

An Eligible Distributed Generation Facility means any of the following:

- An electric production facility which derives 75 percent or more of its energy input from solar, wind, waste management, resource recovery, refuse-derived fuel, agricultural crops or residues, or wood-burning;
- A hydroelectric facility at a dam;
- Cogeneration facility or a small power production facility that has a design capacity of 100 kilowatts or less and which has obtained qualifying status under 18 CFR Part 292, Subpart B and are fueled by a renewable energy source;
- Land, systems, buildings, or improvements that are located at the project site and are necessary or convenient to the construction, completion or operation of the facility; or
- Transmission or distribution facilities necessary to conduct the energy produced to the purchasing utility.

INFLOW/OUTFLOW BILLING ARRANGEMENT

An Inflow/Outflow Billing Arrangement is available under any ownership structure, including facilities financed through third parties. An Eligible Distributed Generation Facility that qualifies for an Inflow/Outflow Billing Arrangement shall satisfy all of the following requirements:

- Has one geographic location or point of service from the Company;
- Is located behind a Customer’s electricity meter;
- Is interconnected to the Company’s distribution system;
- Has an aggregate nameplate capacity less than or equal to 1 MW of alternating current;
- Has a capability to produce no more than 110 percent of the Customer’s annual electricity usage; and
- Generating capacity and associated energy is intended to serve only the on-site electric requirements of the Customer.
RATE IO – INFLOW/OUTFLOW BILLING OF ELIGIBLE DISTRIBUTED GENERATION FACILITIES (continued)

INFLOW/OUTFLOW BILLING ARRANGEMENT (continued)

In the context of the Rate IO tariff, the Customer’s load is defined as the Customer’s average annual energy usage based on recent billing data or estimated annual energy usage. The Company reserves the right to request from the Customer estimated annual energy usage if the Customer has less than one (1) year of billing data.

Customers with a Facility design capacity that exceeds 110 percent of their load or is over 1 MW may utilize this Inflow/Outflow Billing Arrangement for up to 110 percent of their load, not to exceed 1 MW of design capacity of the Facility, and may request for the undesignated balance of the Facility’s capacity to be purchased by the Company under Rate AEP or Rate QF. Customers with a Facility aggregate nameplate capacity that exceeds their load or is over 1 MW may contract for a portion of their facilities up to 110 percent of their load, not to exceed 1 MW under the Inflow/Outflow Billing Arrangement, described below.

The term of the contract between the Company and the Customer under Inflow/Outflow Billing Arrangement shall be twenty (20) years. Such contracts may be assigned for collateral purposes, or may be assigned by the Company in conjunction with a reorganization, but otherwise shall not be assignable without written consent of the parties. Written consent will not be unreasonably withheld by the Company.

Standby and Supplementary Power Service is not required for Eligible Distributed Generation Facilities.
RATE IO – INFLOW/OUTFLOW BILLING OF ELIGIBLE DISTRIBUTED GENERATION FACILITIES (continued)

ELIGIBLE DISTRIBUTED GENERATION FACILITIES WITH AGGREGATE NAMEPLATE CAPACITY THAT EXCEEDS 110 PERCENT OF THE CUSTOMER’S LOAD

In the event a Customer’s private generation is expected to be greater than 110 percent of their load, the Company shall install a meter capable of recording the Customer’s total energy inflow and total energy outflow separately.

The Company will estimate the expected output of the Customer’s Facility and compare that to the Customer’s historical (an average of three (3) years of data if available) or estimated annual usage. For solar Facilities, that estimate will be made by using the National Renewable Energy Laboratory’s PVWatts Calculator.

The Customer’s total energy outflow for each net metering interval shall be divided into separate “outflow purchase” and “QF purchase” portions.

- The “outflow purchase” portion shall be a prorated amount, calculated by applying the total energy outflow for each net metering interval to a ratio of: 110 percent of the Customer’s annual energy usage to the aggregate nameplate capacity at the location.
- The remaining energy outflow for each net metering interval shall be the “QF purchase” portion.

Metered energy billed to the Customer during each net metering interval shall be the total energy inflow less the “outflow purchase” portion of total energy outflow for the same interval period. Any excess “outflow purchase” credits shall be carried forward to the next billing month until the end of the annual period or termination of service. The monthly “QF purchase” portion of total energy outflow for each net metering interval shall be purchased by the Company under Rate AEP or Rate QF.
RATE IO – INFLOW/OUTFLOW BILLING OF ELIGIBLE DISTRIBUTED
GENERATION FACILITIES (continued)

ELIGIBLE DISTRIBUTED GENERATION FACILITIES WITH AGGREGATE
NAMEPLATE CAPACITY THAT EXCEEDS 110 PERCENT OF THE CUSTOMER’S
LOAD (continued)

Example: Customer with an average annual usage of 9,451 kWh installs a 12 kW AC solar array. Based on the PVWatts Calculator, the estimated annual solar production would be 18,133 kWh which would equal approximately 192% of the Customer’s load.

\[
\frac{18,133}{9,451} = 1.919 \\
9,451 \times 110\% = 10,396 \\
\frac{10,396}{18,133} = 57\%
\]

In this example, because the expected output of the Facility would be greater than 110 percent of the Customer’s average or estimated annual energy usage, the “outflow purchase” portion of the total energy outflow would be 57% and the “QF purchase” portion would be the remaining 43%.

ELIGIBLE DISTRIBUTED GENERATION FACILITIES WITH AGGREGATE
NAMEPLATE CAPACITY OVER 1 MW

If a Customer’s aggregate Facility nameplate capacity at a location exceeds 1 MW, the Company shall install a meter capable of recording the Customer’s total energy inflow and total energy outflow separately, the cost of which may be billed to the Customer pursuant to a negotiated contract.

The Customer’s total energy outflow for each net metering interval shall be divided into separate “outflow purchase” and “QF purchase” portions.

- The “outflow purchase” portion shall be a prorated amount, calculated by applying the total energy outflow for each net metering interval to a ratio of: 1 MW to the aggregate nameplate capacity at the location.
- The remaining energy outflow for each net metering interval shall be the “QF purchase” portion.
RATE IO – INFLOW/OUTFLOW BILLING OF ELIGIBLE DISTRIBUTED GENERATION FACILITIES (continued)

ELIGIBLE DISTRIBUTED GENERATION FACILITIES WITH AGGREGATE NAMEPLATE CAPACITY OVER 1 MW (continued)

Metered energy billed to the Customer during each net metering interval shall be the total energy inflow less the “outflow purchase” portion of total energy outflow for the same interval period. Any excess “outflow purchase” credits shall be carried forward to the next billing month until the end of the annual period or termination of service. The monthly “QF purchase” portion of total energy outflow for each net metering interval shall be purchased by the Company under Rate AEP or Rate QF.

METERING EQUIPMENT

The Company will install and provide, at no additional cost to the Customer, metering equipment at the point of service to the Facility capable of:

- Measuring and recording energy flows, on a kWh basis, from the Company to the Facility and from the Facility to the Company, with each direction energy flow recorded independently; and/or
- Measuring power flows in each direction on a sub-hourly or other real-time basis.

The Customer shall not be responsible for the costs of the metering equipment installed in accordance with this provision except:

- To the extent that metering costs are reflected in the purchase rate applicable to its type or class of utility service; and
- In the case of facilities with design capacity of 1 MW or greater, for metering equipment that may be installed pursuant to the terms of a negotiated contract.
SALES AND PURCHASES

The Customer shall be responsible for payment of any applicable Basic Service Charge, Demand Charge or other applicable charges approved by the Iowa Utilities Board (Board) that are not collected on the basis of delivered energy (kWh).

For charges collected on the basis of delivered energy (kWh), the Company shall determine the net meter registration of the Facility by comparing the directional energy flow in each direction for each net metering interval in the billing period. The net metering interval shall be fifteen (15) minutes.

If the net metering registration for a net metering interval shows deliveries of energy in kWh from the Company to the Facility, the net kWh for that interval shall be considered inflow. If the net meter registration for a net metering interval shows receipts of energy in kWh from the Facility to the Company, the net kWh for that interval shall be considered outflow.
SALES AND PURCHASES (continued)

At the end of the monthly billing period:

- All inflow kWh will be summed and the Customer will be charged, at the applicable tariffed rate for which the Customer is eligible, including applicable adjustment clauses and riders, for the electricity delivered by the Company.

- All outflow kWh will be summed and the Customer will receive an outflow purchase credit, expressed in dollars, at the outflow purchase rate for energy exported to the Company.
  - The Customer may use the outflow purchase credits to offset any applicable volumetric charges, including applicable adjustment clauses and riders, billed on a kWh basis.
  - Any unused outflow purchase credits may be carried forward, expressed in dollars, and applied to subsequent billing periods to offset any applicable volumetric charges, including applicable adjustment clauses and riders, billed on a kWh basis, in those billing periods until all outflow purchase credits are used or until the end of the annual period or termination of service.
  - At no time shall the Company be required to convert the outflow purchase credits to cash.

OUTFLOW PURCHASE RATE

Retail Rate

Until the Board approves a value of solar methodology and rate, the outflow purchase rate shall be the applicable retail volumetric rate for which the Customer is eligible, including applicable kWh based adjustment clauses and riders approved by the Board and applied to non-net metered customers. The outflow purchase rate for any Facility will continue to be the applicable retail volumetric rate for a term of twenty (20) years. Any change in ownership of the Facility, or adoption and use by the Company of a value-of solar rate, shall not impact the outflow purchase rate for the Facility during the twenty (20)-year term.
OUTFLOW PURCHASE RATE (continued)

Value of Solar

If the Board is petitioned by an electric utility after July 1, 2027, or when the statewide distributed generation penetration rate is equal to five percent (5%), whichever is earlier, the Board shall initiate a proceeding to develop a value of solar methodology and rate as described in Section 476.49, Iowa Code. After the Board has approved a value of solar methodology and rate, the outflow purchase rate shall be set using the value of solar methodology. The outflow purchase rate for such a Facility will be fixed for a term of twenty (20) years regardless of any subsequent changes in the Company’s outflow purchase rate or changes in ownership of such Facility.

ANNUAL PERIOD

The annual period shall be the period of twelve (12) consecutive monthly billing periods. The initial annual period begins when the Customer commences service under this tariff and may include fewer than twelve (12) consecutive monthly billing periods. The Customer may choose either a January or April date at the time of interconnection for the purposes of determining the annual period. Any outflow purchase credits remaining at the end of an annual period shall be forfeited.

TERMINATION OF SERVICE

When a Customer terminates service, any unused outflow purchase credits shall be forfeited.
RATE IO – INFLOW/OUTFLOW BILLING OF ELIGIBLE DISTRIBUTED
GENERATION FACILITIES (continued)

CONTRACT TERMS AND CONDITIONS

The provisions of this Rate IO shall be deemed to be terms and conditions of the
written contract entered into by the Company for deliveries of energy from Facilities to
the Company and purchases of energy by Customers from the Company. A copy of this
tariff will be provided to the Customer. Service hereunder is subject to the terms and
conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and
Section 7 of this tariff, “Electric Interconnections.”

The Facility shall deliver electricity to the Company on a best-efforts basis during
the contract term.

Service hereunder is subject to the Electric Service Policies of the Company and
applicable adjustment clauses and riders included in this electric tariff schedule.

The Customer shall be subject to the provisions of the Company’s requirements
for interconnection as the provisions exist and may change from time to time.

The Company shall own and have title to the renewable energy attributes,
renewable energy credits, and greenhouse gas emission credits related to all outflow
purchases.

Nothing in this tariff is intended to prevent an arms-length agreement between the
Company and the Customer that sets forth either:

• Different prices, terms, and conditions for the provision of service, including
  but not limited to, the provision of appropriate metering equipment for
  nonresidential Customers; or

• The ownership or title of renewable energy credits.
SUPPLYING INTERCONNECTION PLANS AND COMPANY APPROVAL

The Customer agrees to submit an interconnection request application not less than thirty (30) days prior to connection and for approval of the Company. The Facility and its interconnection plan are subject to written Company approval pursuant to the terms and conditions outlined in 199 Iowa Administrative Code (IAC) Chapters 15 and 45 and Section 7 of this tariff, “Electric Interconnections.”
RESERVED FOR FUTURE USE
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT

APPLICABILITY

To all electric rates.

ADJUSTMENT

When any franchise, occupation, sales, license, excise, privilege or similar tax or fee of any kind is imposed upon the Company by any governmental authority based upon (i) the sale of electric service to customers, (ii) the amounts of electric energy sold to customers, (iii) the gross receipts, net receipts, or revenues to the Company therefrom, or when the Company is required pursuant to pre-existing agreements to provide service without charge, such tax or fee or value of service shall, insofar as practical, be charged on a pro rata basis to all customers receiving electric service from the Company within the boundaries of such taxing authority. Any such charge shall continue in effect only for the duration of such tax, assessment, or service period.

CURRENT APPLICABLE REQUIREMENTS

Iowa Sales Tax

A state sales tax, as set forth in Section 423.2 of the Iowa Code, shall be applied to all billings for electric service, unless exempted under the provisions of Section 423.3, Iowa Code, and regulations applicable thereto.

Local Option Sales Tax

Where a local option tax, as set forth in Sections 423B.1 and 423B.5 of the Iowa Code, has been imposed in a county, it shall be applied to all billings for electric service to customers within the designated area(s) of application, unless exempted under the provisions of Section 423.3 Iowa Code, and regulations applicable thereto or where such billings are subject to a franchise or user fee and therefore exempt.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements:

**Ackley**: A surcharge of 1% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Ackley, as required by Ordinance No. 458, commencing with gross revenue received on or after September 28, 2012.

**Alleman**: A surcharge of five percent (5%) shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Alleman, as required by Ordinance No. 0022020, commencing with gross revenue received on or after October 28, 2020.

**Altoona**: A surcharge of 5% shall be applied to the gross receipts of the company, less uncollectible amounts derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Altoona, as required by Ordinance No. 06-19-2017 #02 (458) commencing with gross revenue received on or after September 29, 2017.

**Ankeny**: A surcharge of 2% shall be applied to the gross receipts, minus uncollectible accounts, derived by the Company in the city of Ankeny for the delivery and sale of electric energy. The surcharge shall be charged to customers within the current or future corporate limits of the city of Ankeny, as required by Ordinance No. 1686, commencing with gross revenue received on or after May 1, 2011.

**Audubon**: A surcharge of 5% shall be applied to the gross receipts of the company, less uncollectible amounts derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Audubon, as required by Ordinance No. 722 commencing with gross revenue received on or after May 3, 2016.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

Beacon: A surcharge of 1% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Beacon, as required by Ordinance No. Article 6, commencing with gross revenue received on or after April 3, 2017.

Blanchard: A surcharge of 3% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Blanchard, as required by Ordinance No. 5212, commencing with gross revenue received on or after October 29, 2012.

Boyden: A surcharge of 5% shall be applied to the gross receipts, less uncollectable amounts, derived by the delivery and sale of electric energy to customers within the corporate limits of the city of Boyden, as required by Ordinance No. 2015-02, commencing with gross revenue received on or after April 4, 2016. The surcharge shall not be assessed initially on electric energy used by City Accounts in Boyden.

Camanche: A surcharge of two percent (2%) shall be applied to the gross revenue, less uncollectable accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Camanche, as required by Ordinance No. 774, commencing with gross revenue received on or after December 31, 2020.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

Carlisle: A surcharge of 4% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Carlisle, as required by Ordinance No. 673, commencing with gross revenue received on or after March 5, 2015.

Carroll: A surcharge of one percent (1%) shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Carroll, as required by Ordinance No. 2011, commencing with gross revenue received on or after February 2, 2021.

Cherokee: A surcharge of 5% shall be applied to the gross receipts of the company from the transmission, distribution, delivery, or sale of electric energy to customers within the corporate limits of the city of Cherokee, excluding the sale of electric energy to the city for its own use, as required by Ordinance No. 590 commencing with gross receipts received on or after July 1, 2016.

Clarion: A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, generated from the sales of electricity and distribution service to customers within the corporate limits of the city of Clarion, as required by Ordinance No. 572 commencing with gross revenues received on or after August 30, 2017.

Clive: A surcharge of 5% shall be applied to the gross receipts, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current or future limits of the city of Clive, as required by Ordinance No. 1062, commencing with receipts on or after January 1, 2011.

Colfax: A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, generated from the sales of electricity and distribution service to customers within the corporate limits of the city of Colfax, as required by Ordinance No. 608 commencing with gross revenues received on or after October 31, 2016.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

Coralville: A surcharge of 1% shall be applied to the gross revenue generated from the sales of electricity within the city of Coralville, as required by Ordinance No. 2010-1010, commencing with gross revenues received on or after July 1, 2010.

Council Bluffs: A surcharge of 2% shall be applied to customers’ electric service furnished within the city of Council Bluffs required under Ordinance No. 5880 and Resolution No. 18-39, effective February 12, 2018. The surcharge shall not be assessed to the public school facilities or to Pottawattamie County facilities within Council Bluffs’ corporate limits. A surcharge dollar cap shall be applied to High Volume Users and Affiliated Entities within the city of Council Bluffs required under Ordinance No. 6149, effective February 27, 2012.

Danbury: A surcharge of 3% shall be applied to the gross revenue, less uncollectible amounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Danbury, as required by Ordinance No. 2018-1, commencing with gross revenue received on or after March 4, 2019.

Des Moines: A surcharge of five percent (5%) shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Des Moines, as required by Ordinance No. 15,902, commencing with gross revenue received on or after August 10, 2020.

Early: A surcharge of 3% shall be applied to all billings for electric service furnished within the city of Early required under Ordinance No. 261, effective March 1, 2005. The surcharge shall not be assessed to the public school system or to Sac County facilities owned and operated within Early’s corporate limits.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

**Elk Run Heights:** A surcharge of one percent (1%) shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Elk Run Heights, as required by Ordinance No. 271, commencing with gross revenue received on or after August 31, 2021.

**Glenwood:** A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Glenwood, as required by Ordinance No. 875, commencing with gross revenue received on or after June 30, 2017.
Franchise Requirements: (continued)

**Griswold:** A surcharge of 3% shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Griswold, as required by Ordinance No. 1-2018, commencing with gross revenue received on or after November 29, 2018.

**Hampton:** A surcharge of 5% shall be applied to the gross receipts of the company derived from the sale of electric energy to customers within the current and future limits of the city of Hampton, as required by Ordinance No. 359 commencing with gross revenue received on or after December 1, 2015.

**Hartford:** A surcharge of 5% shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Hartford, as required by Ordinance No. 95 and Amended Ordinance No. 97, commencing with gross revenue received on or after January 2, 2015.

**Hastings:** A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to all residential customers within the current and future corporate limits of the city of Hastings, as required by Ordinance No. 2012-6, commencing with gross revenue received on or after January 2, 2013.

**Hull:** A surcharge shall be applied to the gross receipts, less uncollectable amounts, derived from the delivery and sale of electric energy to customers within the corporate limits of the city of Hull, as required by Ordinance No. 324, commencing with gross revenue received on or after December 1, 2011, as follows:

- Residential 5%
- Commercial 1.5%
- Industrial 1.5%
- Public Authority 1.5%
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

**Indianola**: A surcharge of 5% shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Indianola, as required by Ordinance No. 1488, commencing with gross revenue received on or after January 2, 2015.

**Inwood**: A surcharge shall be applied to the gross receipts, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Inwood, as required by Ordinance No. 221, commencing with gross revenue received on or after October 29, 2012, as follows:

- Residential: 5%
- Non-residential: 3%
- Public Authorities: 0%

**Iowa City**: A surcharge of 1% shall be applied to the gross revenue of the company, minus uncollectible accounts, derived from the distribution, delivery, and retail sale of electricity by the company. The surcharge shall be assessed to customers within the current or future corporate limits of the city of Iowa City, as required by Ordinance No. 10-4382, commencing with gross revenue received on or after June 1, 2010.

**Ireton**: A surcharge shall be applied to the gross receipts, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Ireton, as required by Ordinance No. I-O-13-04, commencing with gross revenue received on or after June 2, 2014, as follows:

- Residential: 5%
- Non-residential: 3%
- Public and private school facilities: 0%
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

Knoxville: A surcharge of 5% shall be applied to the gross receipts of the company, minus uncollectable accounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Knoxville, as required by Ordinance No. 12-05, commencing with gross revenue received on or after July 31, 2012.

Lake City: A surcharge of 3% shall be applied to the gross receipts of the company, minus uncollectable accounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Lake City, as required by Ordinance No. 371, commencing with gross revenue received on or after June 3, 2015.

Lewis: A surcharge of 4% shall be applied to the gross receipts of the company, minus uncollectable accounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Lewis, as required by Ordinance No. 2017-1, commencing with gross revenue received on or after February 1, 2018.

Logan: A surcharge of 5% to residential customers and 2% to non-residential customers shall be applied to the gross revenue, less uncollectible accounts, generated from the sales of electric energy and distribution service to customers within the current and future corporate limits of the city of Logan, as required by Ordinance No. 468, commencing with gross revenue received on or after January 1, 2020.

Lohrville: A surcharge of 3% shall be applied to the gross receipts of the company, minus uncollectable accounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Lohrville, as required by Ordinance No. 111 and Resolution 15-10, commencing with gross revenue received on or after May 4, 2015.

Lytton: A surcharge of 5% shall be applied to the gross revenue, less uncollectable accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Lytton, as required by Ordinance No. 19-03 commencing with gross revenue received on or after August 29, 2019.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

Melcher-Dallas: A surcharge of 4% shall be applied to the gross receipts of the company, minus uncollectable accounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Melcher-Dallas, as required by Ordinance No. 145 and Resolution 2017-95, commencing with gross revenue received on or after February 1, 2018.

Missouri Valley: A surcharge of five percent (5%) shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Missouri Valley, as required by Ordinance Nos. 561 and 570, commencing with gross revenue received on or after June 2, 2021.

Mitchellville: A surcharge of 3% shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Mitchellville, as required by Ordinance No. 2099, commencing with gross revenue received on or after July 31, 2013.

Oakland: A surcharge of 2% shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Oakland, as required by Ordinance No. 52, commencing with gross revenue received on or after April 2, 2019.

Oskaloosa: A surcharge of 1.5% to industrial customers and 3% for all other customers shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Oskaloosa, as required by Ordinance No. 1313, commencing with gross revenue received on or after January 1, 2012.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

Pleasant Hill: A surcharge of 5% shall be applied to all billings for electric service furnished within the city of Pleasant Hill required under City Ordinance Nos. 822 and 829, effective June 30, 2017. The surcharge shall not be assessed to public or public financed colleges, universities and schools.

Polk City: A surcharge of 1% shall be applied to the gross revenue, less uncollectable accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Polk City, as required by Ordinance Amending Section 110.13 and Section 111.13, commencing with gross revenue received on or after March 3, 2020.
CLAUSE ETA – ELECTRIC TAX ADJUSTMENT (continued)

Franchise Requirements: (continued)

Prairie City: A surcharge of 1% shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Prairie City, as required by Ordinance No. 343, commencing with gross revenue received on or after April 3, 2017.

Rock Valley: A surcharge of 5% shall be applied to all billings for electric service furnished within the city of Rock Valley to cover electric franchise fee payments required under City Ordinance No. 343, effective June 1, 2004.

Sergeant Bluff: A surcharge shall be applied to the gross receipts, less uncollectible amounts, derived from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Sergeant Bluff, as required by Ordinance No. 592, commencing with gross revenue received on or after September 30, 2015, as follows:

- Residential: 5%
- Non-residential: 3%
- Public Schools: 0%

This ordinance exempts Sergeant Bluff-Luton Community School District facilities from the franchise fee.

Sioux City: A surcharge of 5% shall be applied to the gross receipts of the company, minus uncollectable amounts, derived from the delivery and sale of electric energy to customers within the current and future limits of the city of Sioux City, as required by Ordinance No. 2014-0484, commencing with gross revenue received on or after August 29, 2014.

Somers: A surcharge of 5% shall be applied to the gross revenue, less uncollectible accounts, generated from the delivery and sale of electric energy to customers within the current and future corporate limits of the city of Somers, as required by Ordinance No. 136, commencing with gross revenue received on or after July 1, 2020.
Franchise Requirements: (continued)

**Storm Lake:** A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to all customers within the current and future corporate limits of the city of Storm Lake, as required by Ordinance No. 05-O-2016-2017, commencing with gross revenue received on or after October 30, 2017.

**Sutherland:** A surcharge of 3% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to all customers within the corporate limits of the city of Sutherland as required by Ordinance No. 2017-001, commencing with gross revenue received on or after August 1, 2017. The surcharge shall not be applied to city accounts.

**Tabor:** A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to all customers within the current and future corporate limits of the city of Tabor as required by Amendment to Electric Franchise No. 181A, commencing with gross revenue received on or after February 2, 2017. The surcharge shall not be applied to city accounts.

**Van Meter:** A surcharge of 5% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to all customers within the current and future corporate limits of the city of Van Meter, as required by Ordinance No. 249, commencing with gross revenue received on or after August 31, 2015.

**Waterloo:** A surcharge of 4% shall be applied to the gross revenue, less uncollectible amounts, derived from the delivery and sale of electric energy to all customers within the current and future corporate limits of the city of Waterloo, as required by Ordinance No. 5453, commencing with gross revenue received on or after August 29, 2018.
Franchise Requirements: (continued)

**Windsor Heights:** A surcharge of 5% shall be applied to all residential billings and a surcharge of 3% shall be applied to all commercial, public authority and industrial billings for electric service furnished within the city of Windsor Heights required under Ordinance No. 05-05, effective May 1, 2005. The surcharge shall not be applied to the public school system.
CLAUSE TCA – TRANSMISSION COST ADJUSTMENT

APPLICATION

To all price schedules for electric service. The Transmission Cost Adjustment (TCA) will be applied to all kW or kWh sales, depending upon rate class, under retail electric rate schedules. The cost recovery factors are applied on a monthly basis to either base kWh or base kW units, depending upon customer class, for the purpose of billing. The TCA factor shall be applied as a separate charge. The cost recovery factors shall be determined annually per the formulae below and shall apply monthly to bills. All provisions of the customer’s current applicable rate schedule will apply in addition to this charge.

TRANSMISSION COST ADJUSTMENT FACTOR:

Annually, the TCA kWh factor for a customer class shall be calculated as follows:

Where:

\[
T_{ce} = \frac{[M - E] \times R_{ce} \pm A_c}{S_{ce}}
\]

\(T_{ce}\) = Transmission Cost Adjustment Charge Per kWh: The amount in dollars per kWh, rounded to the nearest $0.00001, to be charged for each kWh in any monthly billing period to customer class “c” for forecasted transmission costs allocated to the customer class “c”.

\(M\) = MISO costs in Dollars: The sum of the forecasted MISO Schedule 9, Schedule 10, Schedule 10-FERC, Schedule 26 and Schedule 26-A costs assessed to MidAmerican on behalf of its Iowa retail load each year.

\(E\) = MISO Schedule 26 and Schedule 26-A A&G Revenues in Dollars: The portion of total Company transmission administrative and general expense recovered under MISO Schedule 26 and MISO Schedule 26-A included in M.
CLAUSE TCA – TRANSMISSION COST ADJUSTMENT (continued)

\[ A_c = \text{Annual Adjustment Factor in Dollars: The over- or under-collection for customer class “c” for the previous year calculated as the actual transmission expenses attributable to customer class “c” compared to actual revenue recovery from the transmission cost adjustment for customer class “c” from the previous 12 month period ending in December.} \]

\[ R_{ce} = \text{Class Allocation: The allocated share to customer class “c” based on 12 CP methodology using the actual system load factor and actual class and total retail peak demands and kWh sales from the most recent calendar year historical period for which such data is available.} \]

\[ S_{ce} = \text{Retail Sales in kWh: The normal weather Iowa jurisdictional retail sales for customer class “c” as forecasted by MidAmerican for the upcoming year in which } T_{ce} \text{ will be used.} \]
Annually, the TCA kW factor for a customer class shall be calculated as follows:

Where:

\[ T_{cd} = \frac{[M - E] \times R_{cd} \pm A_c}{S_{cd}} \]

- \( T_{cd} \) = Transmission Cost Adjustment Charge Per kW: The amount in dollars per kW, rounded to the nearest $0.01, to be charged for each kW in any monthly billing period to customer class “c” for forecasted transmission costs allocated to the customer class “c”.

- \( M \) = MISO costs in Dollars: The sum of the forecasted MISO Schedule 9, Schedule 10, Schedule 10-FERC, Schedule 26 and Schedule 26-A costs assessed to MidAmerican on behalf of its Iowa retail load each year.

- \( E \) = MISO Schedule 26 and Schedule 26-A A&G Revenues in Dollars: The portion of total Company transmission administrative and general expense recovered under MISO Schedule 26 and MISO Schedule 26-A included in \( T \).
CLAUSE TCA – TRANSMISSION COST ADJUSTMENT (continued)

\[ A_c = \text{Annual Adjustment Factor in Dollars: The over- or under-collection for customer class “c” for the previous year calculated as the actual transmission expenses attributable to customer class “c” compared to actual revenue recovery from the transmission cost adjustment for customer class “c” from the previous 12 month period ending in December.} \]

\[ R_{cd} = \text{Class Allocation: The allocated share to customer class “c” based on 12 CP methodology using the actual system load factor and actual class and total retail peak demands and kW sales from the most recent calendar year historical period for which such data is available.} \]

\[ S_{cd} = \text{Retail Sales in kW: The normal weather Iowa jurisdictional retail sales for customer class “c” as forecasted by MidAmerican for the upcoming year in which } T_{cd} \text{ will be used.} \]
RECONCILIATION:
Beginning on or before February 15, of each year and continuing each year thereafter where the Transmission Cost Adjustment remains in effect, the Company shall include an annual reconciliation report with its proposed rates for April 1. Such filing shall reconcile actual Transmission Cost Adjustment costs allowed and actual customer class revenues collected for the previous twelve months ending December. The reconciliation shall be the adjustment factor “A” defined above and included in the calculation of new rates.
## CLAUSE TCA – TRANSMISSION COST ADJUSTMENT (continued)

### CURRENT APPLICABLE TRANSMISSION COST ADJUSTMENT FACTORS:

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<thead>
<tr>
<th>Class</th>
<th>Rates</th>
<th>$/kWh</th>
<th>$/kW</th>
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</thead>
<tbody>
<tr>
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<td>Small General Service, Energy and Residential Service when annual usage is greater than 50,000 kWh</td>
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<td>Individual Contract Rates</td>
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CLAUSE EAC – ENERGY ADJUSTMENT

APPLICATION

To all price schedules for electric service. The Energy Adjustment clause (EAC) will be applied monthly to all kilowatt-hour sales, under all rates, riders, and individual contracts on file with the Iowa Utilities Board where the charge for such energy is subject to adjustment for increases and decreases in the cost of fuel. The cost recovery factor is applied on a monthly basis as a separately billed charge to all kilowatt-hours, for the purpose of billing. The cost recovery factor shall be determined annually per the formula below and shall be filed with the Iowa Utilities Board no later than five business days before the first billing cycle begins each March. All provisions of the customer’s current applicable rate schedule will apply in addition to this charge.

ENERGY ADJUSTMENT CLAUSE FACTOR:

Annually, the estimated Iowa jurisdictional cost of energy, plus the prior year’s cumulative excess or deficiency which arises out of the difference between the actual costs and actual recoveries, will be divided by the estimated annual jurisdictional electric energy consumed under rates set by the Iowa Utilities Board to calculate the annual energy adjustment clause factor. The resulting factor E will be filed with the Iowa Utilities Board no later than five days before the first March billing cycle.

Monthly, the charges for all kilowatt-hours of energy supplied to designated customers shall be increased or decreased by the annual energy adjustment charge or credit to the nearest $0.00001 determined as follows:

Where:

\[ E = \frac{EC + A}{EJ} - B \]

Where the letter E precedes the letters C and J, the quantity is estimated.
Component Definitions:
All references to account numbers mean the Uniform System of Accounts for Electric Utilities.

A = the cumulative account balance at the beginning of the year of any excess or deficiency which arises out of the difference between the actual Iowa jurisdictional cost of energy (C) and the actual recovery from the energy adjustment clause applied to actual jurisdictional electric energy consumed (J).

Annually, the Company will reconcile actual costs with actual recoveries and establish a new factor A. The new factor A will be updated in the annual calculation of the new energy adjustment factor E.

B = the amount of the electric energy cost included in the applicable base rate schedules. B is currently zero (0).

C = the Iowa jurisdictional cost of energy will include:
Natural gas used for electrical generation and fossil fuel in accounts 501101 and 501020 or transferred from account 151 to account 501 or 547.
Nuclear fuel in account 518 which is not already included in fossil fuel.

The direct cost of purchasing or otherwise acquiring, for utility operations purposes, emission allowances, including the emission allowances allocated to the utility by the United States Environmental Protection Agency, limited to the following:

a) The costs cleared from Account 158.1 - Allowance Inventory, and charged to Account 509 - Allowances, concurrent with the monthly emission of sulfur dioxide;

b) The gains cleared from Account 254 - Other Regulatory Liabilities, and credited to Account 411.8 - Gains from Disposition of Allowances; and

c) The losses charged to Account 411.9 - Losses from Disposition of Allowances
CLAUSE EAC – ENERGY ADJUSTMENT (continued)

The cost of contract, emergency and economy energy purchased in account 555. Purchases of capacity and energy from qualifying alternate energy production facilities shall be included.

The cost of energy produced for non-jurisdictional sales, including sales for resale, is not includable in the energy adjustment clause.

The cost of energy will be adjusted by revenues from the sale of renewable energy credits, carbon dioxide credits or other environmentally related benefits associated with MidAmerican Energy’s renewable power projects and private generation outflow purchases under Rate IO as entered into accounts 456, 411.8 and 411.9.

The cost of energy will be adjusted by the pre-tax amount of any federal production tax credits associated with renewable power projects, grossed up at the rate of 1.403 as entered into account 409.1, reduced for any negative energy settlements from those renewable power projects that result during the period the projects are eligible for the production tax credit, as recorded in account 447.043. However, this adjustment will not include federal production tax credits associated with the 706 GE SLE and S-type 1.5 MW turbines, or the 510 Siemens turbines listed below in the event the turbines are repowered and the repowered assets are not included in rate base for determining base rates.

<table>
<thead>
<tr>
<th>Ratemaking Principle Docket</th>
<th>Name of Wind Farm</th>
<th>MW</th>
<th>Number of Turbines</th>
<th>Model</th>
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<tr>
<td>Wind I Intrepid</td>
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<td>GE 1.5s</td>
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</tr>
<tr>
<td>Wind VI Walnut</td>
<td>52.5</td>
<td>35</td>
<td>GE 1.5sle</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1059</td>
<td>706</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CLAUSE EAC – ENERGY ADJUSTMENT (continued)

<table>
<thead>
<tr>
<th>Ratemaking Principle Docket</th>
<th>Name of Wind Farm</th>
<th>MW</th>
<th>Number of Turbines</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind IV</td>
<td>Adair</td>
<td>174.8</td>
<td>76</td>
<td>Siemens 2.3 93m</td>
</tr>
<tr>
<td>Wind VII</td>
<td>Rolling Hills</td>
<td>443.9</td>
<td>193</td>
<td>Siemens 2.3 101m</td>
</tr>
<tr>
<td>Wind VII</td>
<td>Pomeroy IV</td>
<td>29.9</td>
<td>13</td>
<td>Siemens 2.3 101m</td>
</tr>
<tr>
<td>Wind VII</td>
<td>Laurel</td>
<td>119.6</td>
<td>52</td>
<td>Siemens 2.3 101m</td>
</tr>
<tr>
<td>Wind VII</td>
<td>Vienna</td>
<td>105.6</td>
<td>45</td>
<td>Siemens 2.3 108m</td>
</tr>
<tr>
<td>Wind VII</td>
<td>Morning Light</td>
<td>101.2</td>
<td>44</td>
<td>Siemens 2.3 108m</td>
</tr>
<tr>
<td>Wind VII</td>
<td>Eclipse</td>
<td>200.1</td>
<td>87</td>
<td>Siemens 2.3 108m</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1,175.1</td>
<td>510</td>
<td></td>
</tr>
</tbody>
</table>

D = the monthly excess or deficiency which is entered into the cumulative account balance A

\[ D = C_2 - [J_2 \times (E_2 + B_2)] \]

Where subscripts are used to denote the applicable billing month or calendar month:

Subscript 2 means the second prior month.

\[ E = \text{monthly energy adjustment charge, calculated annually.} \]

\[ J = \text{the jurisdictional electric energy consumed under rates set by the Iowa Utilities Board.} \]
APPLICABLE ANNUAL ENERGY ADJUSTMENT CLAUSE FACTOR:

<table>
<thead>
<tr>
<th>Class</th>
<th>$/kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Rates</td>
<td>$0.00544</td>
</tr>
</tbody>
</table>
CLAUSE EECR – ENERGY EFFICIENCY COST RECOVERY

APPLICABILITY

To all electric rates.

ENERGY EFFICIENCY COST RECOVERY

Costs are the unrecovered amount of energy efficiency expenditures including carrying costs for ongoing costs of current programs. The annual portion of costs are allocated to the major class categories for recovery. The class costs are converted to a per kWh basis using sales forecasted for the recovery year.

ENERGY EFFICIENCY COST RECOVERY FACTORS

<table>
<thead>
<tr>
<th>Total On-going MidAmerican Costs</th>
<th>Residential</th>
<th>Non-Residential</th>
<th>Lighting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RS, RST, RMS, GE*, GET*</td>
<td>GE, GD, GET, GDT</td>
<td>LS, LST, SS, SST, ICR, MWP</td>
</tr>
<tr>
<td>Energy Efficiency Charge</td>
<td>$0.00102</td>
<td>$0.00090</td>
<td>$0.00090</td>
</tr>
<tr>
<td>Demand Response Charge</td>
<td>$0.00059</td>
<td>$0.00033</td>
<td>$0.00033</td>
</tr>
</tbody>
</table>

*Residential Customers that have been placed on Rates GE or GET because their annual usage is greater than 50,000 kWh will be charged the Residential EECR factors.

RECONCILIATION

A reconciliation will be filed annually. The energy efficiency costs recovered from customers during the prior period will be compared to those which were allowed to be recovered. Any over/under collection, any ongoing costs, and any change in forecast sales, will be used to adjust the current energy efficiency cost recovery factors.
CLAUSE LGC – LOCAL GOVERNMENT COMPLIANCE

APPLICABILITY

To all electric rates. This clause is not applicable to governmental units requesting a relocation that is covered by contractual provisions of a franchise agreement and such franchise agreements shall supersede this tariff.

LOCAL GOVERNMENT COMPLIANCE CLAUSE

In the event a governmental unit enacts an ordinance or otherwise utilizes its constitutional or statutory powers to compel Company, directly or indirectly, to relocate existing facilities or convert existing overhead facilities to underground, and elects by passing a motion, resolution, amendment or ordinance that the customers within the boundaries of the governmental unit will be charged the costs, as provided in sheet nos. 92 – 94 of Section 5 – Existing System Modifications, the costs of making such relocations and conversions shall be charged to all Company’s customers who purchase electricity for use or consumption within the boundaries of such governmental unit on a per kilowatt-hour (kWh) basis until the cost of such relocations and conversions are fully recovered by the Company.

The charges due under this clause will be determined as follows:

\[ L_t = \frac{C}{S_t} \]

Where:

- \( L_t \) = Local Government Compliance Charge per kWh: The amount in dollars per kWh, rounded to the nearest $0.00001, to be charged for each kWh in any monthly billing period during time period “\( t \)” due to the costs of the relocation or conversion of facilities compelled by the governmental unit directly or indirectly.
- \( C \) = The cumulative compliance costs for the governmental unit, including a gross-up amount for the income tax effect of such revenues.
- \( S_t \) = Estimated kWh sales to be billed to customers within the boundaries of the governmental unit during the period “\( t \)” for which “\( L_t \)” is being determined and shall:
  - Include the governmental unit in its capacity as a customer and
  - Exclude any Company facilities located within the boundaries of the governmental unit.
CLAUSE LGC – LOCAL GOVERNMENT COMPLIANCE (continued)

\[ t = \text{The time period over which the factor will be applied and will be the lesser of:} \]
\[ \bullet \text{The months in the remaining term of the existing franchise within the} \]
\[ \text{governmental unit, if the resulting “} L_t \text{“ is at or below $0.01 per kWh, or} \]
\[ \bullet 12 \text{ months if the resulting “} L_t \text{“ is at or below $0.01 per kWh, or} \]
\[ \bullet \text{The number of months necessary to set the billing factor at $0.01 per kWh if} \]
\[ \text{“} L_t \text{“ calculated with “} t \text{“ equal to 12 is greater than $0.01 per kWh, or} \]
\[ \bullet 60 \text{ months; the resulting “} L_t \text{“ may be greater than $0.01 per kWh.} \]

In the event “\( L_t \)" is less than $0.00001 per kWh, a shorter recovery period will be used.

RECONCILIATION

Billed cost recoveries and relocation and conversion costs will be reconciled on an annual basis. Annual adjustments may be made to the billing factor to fully recover relocation and conversion costs. As part of the reconciliation process, the Local Government Compliance Charge may be changed to include additional compliance costs that result from the facility changes compelled by the governmental unit since the previous reconciliation.

For the purpose of this Clause:

\[ \bullet \text{A governmental unit means any county, municipality, township, special district,} \]
\[ \text{or unit designated as a unit of local government by law and which exercises} \]
\[ \text{limited governmental power or powers in respect to limited governmental} \]
\[ \text{subjects.} \]
\[ \bullet \text{Costs are the entire amount recorded on the Company’s books of account} \]
\[ \text{related to compulsory relocations and conversions. Such costs may be} \]
\[ \text{estimated, subject to adjustment as actual information becomes available.} \]
\[ \bullet \text{The billing period will begin with the first billing cycle of the month and end with} \]
\[ \text{the last billing cycle of the month.} \]
\[ \bullet \text{Any facilities the Company is compelled to install shall be the property of the} \]
\[ \text{Company.} \]
\[ \bullet \text{The total amount of the charges under this clause will be separately stated on} \]
\[ \text{each customer’s bill.} \]
\[ \bullet \text{Late payment charges will apply.} \]
\[ \bullet \text{State and local taxes, and franchise fees will not apply.} \]
CLAUSE LGC – LOCAL GOVERNMENT COMPLIANCE (continued)

CURRENT APPLICABLE LOCAL GOVERNMENT COMPLIANCE CHARGES

Fort Dodge: A Local Government Compliance Charge of $0.00204 per kWh shall be applied to all billings for electric service furnished within the city of Fort Dodge to recover conversion costs for completed project costs incurred by Company as of March 1, 2021, as compelled by the city of Fort Dodge, and such charge will be effective April 2, 2021.
CLAUSE RAR – RENEWABLE ADVANTAGE RESIDENTIAL

AVAILABLE

Residential customers in Iowa.

CONTRIBUTIONS AND COST RECOVERY

This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

CUSTOMER ENROLLMENT

Customers can sign up by registering on MidAmerican Energy Company’s website, by calling MidAmerican Energy Company or by checking the appropriate box on the bill stub. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

BILLING

Customers may select one of the three following billing options:

1. Monthly contributions of $2.50, $5.00, $10.00, or an amount of the customer’s choosing with a minimum of $1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.

2. One-time contribution of a minimum of $1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

3. Periodic contributions of a minimum of $1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.
CLAUSE RAR – RENEWABLE ADVANTAGE RESIDENTIAL (continued)

There will be no refunds of funds contributed to this program.

RECONCILIATION

On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Energy Adjustment Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Energy Adjustment Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.
CLAUSE RAG – RENEWABLE ADVANTAGE GENERAL SERVICE

AVAILABLE

General service customers in Iowa.

CONTRIBUTIONS AND COST RECOVERY

This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

CUSTOMER ENROLLMENT

Customers can sign up by registering on MidAmerican Energy Company’s website, by calling MidAmerican Energy Company or by checking the appropriate box on the bill stub. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

BILLING

Customers may select one of the three following billing options:

1. Monthly contributions of $5.00, $10.00, $20.00, or an amount of their choosing with a minimum of $1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.

2. One-time contribution of a minimum of $1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

3. Periodic contributions of a minimum of $1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.
CLAUSE RAG – RENEWABLE ADVANTAGE GENERAL SERVICE (continued)

There will be no refunds of funds contributed to this program.

RECONCILIATION

On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Energy Adjustment Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Energy Adjustment Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.
CLAUSE RAL – RENEWABLE ADVANTAGE LARGE GENERAL SERVICE

AVAILABLE

Large general service customers in Iowa.

CONTRIBUTIONS AND COST RECOVERY

This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

CUSTOMER ENROLLMENT

Customers can sign up by registering on MidAmerican Energy Company’s website or by calling MidAmerican Energy Company. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

BILLING

Customers may select one of the three following billing options:

1. Monthly contributions in the amount of their choosing with a minimum of $1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.

2. One-time contribution of a minimum of $1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

3. Periodic contributions of a minimum of $1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.
CLAUSE RAL – RENEWABLE ADVANTAGE LARGE GENERAL SERVICE  
(continued)

There will be no refunds of funds contributed to this program.

RECONCILIATION

On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Energy Adjustment Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Energy Adjustment Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.
MIDAMERICAN ENERGY COMPANY
Electric Tariff No. 2
Filed with the Iowa Utilities Board

CLAUSE RAO – RENEWABLE ADVANTAGE OTHER

AVAILABLE

Public Authority and Public Street and Highway Lighting customers in Iowa.

CONTRIBUTIONS AND COST RECOVERY

This program allows customers to make voluntary contributions to the development of alternate energy in Iowa pursuant to Iowa Code Section 476.47. Funds collected from customers will be used to construct alternate energy facilities or to purchase alternate energy resources by contract. Funds collected from customers will be used to cover net direct costs. “Net direct costs” are incremental program costs not otherwise recovered through base tariff rates reduced by any program revenue.

CUSTOMER ENROLLMENT

Customers can sign up by registering on MidAmerican Energy Company’s website or by calling MidAmerican Energy Company. The customer will continue to be enrolled in the Renewable Advantage Program until notifying MidAmerican Energy Company by phone or in writing.

BILLING

Customers may select one of the three following billing options:

1. Monthly contributions in the amount of their choosing with a minimum of $1.00. The monthly charge will be separately identified on the customer’s bill. Non-payment for two consecutive months will automatically remove the participating customer from the program.

2. One-time contribution of a minimum of $1.00. This contribution must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

3. Periodic contributions of a minimum of $1.00. These contributions must be identified as directed to the Renewable Advantage Program at MidAmerican Energy Company and will not be reflected on the customer’s bill.

Issued: August 6, 2014
Effective: July 31, 2014

Issued by: Naomi G. Czachura
Vice President
There will be no refunds of funds contributed to this program.

**RECONCILIATION**

On or before April 1 of each year, a reconciliation of the activity for the previous calendar year will be filed. Annual directly assigned program costs in excess of annual program contributions may be recovered through the Energy Adjustment Clause to the extent cumulative directly assigned program costs exceed cumulative program contributions at the end of the reconciliation year. Annual program contributions in excess of annual directly assigned program costs will be credited through the Energy Adjustment Clause to the extent cumulative program contributions are less than cumulative directly assigned program costs at the beginning of the reconciliation year. Cumulative program contributions in excess of cumulative directly assigned program costs will be used to expand the Renewable Advantage Program.
CLAUSE E – EQUALIZATION ADJUSTMENT

APPLICATION

To all rates for electric service in Iowa except Rate SL and Rate AL. Rates including equalization for those customer groups are shown on the specific tariff pages for those rates.

EQUALIZATION ADJUSTMENT

Equalization Adjustment factors are applied to the rates for electric service for the purpose of moving all rates to cost of service over a ten-year period.

Equalization Adjustment factors are billed on a dollar per kWh basis at the rates shown below. Rates are applicable for energy usage billed for periods shown and are applied based on former price schedules.

Customers establishing service after the effective date of this tariff shall have the base factor specifically identified for their rate and pricing zone applied as indicated in List of Communities Served and applied to billed energy usage.
### CLAUSE E – EQUALIZATION ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rates RS, RST and RMS</th>
<th>Former Price Schedules</th>
<th>09, 10, 11, 51 East Base Factor</th>
<th>RBN, RWN North Base Factor</th>
<th>RBS, RWS, TBS, TWS South Base Factor</th>
<th>RAN, REN, RHN, RSN, TAN, TEN, THN, TSN North Heat Factor</th>
<th>RAS, RES, RHS, RSS, TAS, TES, THS, TSS South Heat Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td></td>
<td>$0.00395</td>
<td>$(0.00569)</td>
<td>$0.00415</td>
<td>$(0.01168)</td>
<td>$(0.00203)</td>
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<tr>
<td>January 1, 2015 to</td>
<td></td>
<td>0.00351</td>
<td>$(0.00506)</td>
<td>0.00369</td>
<td>$(0.01038)</td>
<td>$(0.00181)</td>
</tr>
<tr>
<td>December 31, 2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2016 to</td>
<td></td>
<td>0.00307</td>
<td>$(0.00442)</td>
<td>0.00323</td>
<td>$(0.00909)</td>
<td>$(0.00158)</td>
</tr>
<tr>
<td>December 31, 2016</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2017 to</td>
<td></td>
<td>0.00263</td>
<td>$(0.00379)</td>
<td>0.00277</td>
<td>$(0.00779)</td>
<td>$(0.00136)</td>
</tr>
<tr>
<td>December 31, 2017</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2018 to</td>
<td></td>
<td>0.00220</td>
<td>$(0.00316)</td>
<td>0.00231</td>
<td>$(0.00649)</td>
<td>$(0.00113)</td>
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<tr>
<td>December 31, 2018</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2019 to</td>
<td></td>
<td>0.00176</td>
<td>$(0.00253)</td>
<td>0.00184</td>
<td>$(0.00519)</td>
<td>$(0.00090)</td>
</tr>
<tr>
<td>December 31, 2019</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2020 to</td>
<td></td>
<td>0.00132</td>
<td>$(0.00190)</td>
<td>0.00138</td>
<td>$(0.00389)</td>
<td>$(0.00068)</td>
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<tr>
<td>December 31, 2020</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2021 to</td>
<td></td>
<td>0.00088</td>
<td>$(0.00126)</td>
<td>0.00092</td>
<td>$(0.00260)</td>
<td>$(0.00045)</td>
</tr>
<tr>
<td>December 31, 2021</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2022 to</td>
<td></td>
<td>0.00044</td>
<td>$(0.00063)</td>
<td>0.00046</td>
<td>$(0.00130)</td>
<td>$(0.00023)</td>
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<tr>
<td>December 31, 2022</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>January 1, 2023 to</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>December 31, 2023</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CLAUSE E – EQUALIZATION ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rates GE and GET</th>
<th>Former Price Schedules</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>$0.01920</td>
</tr>
<tr>
<td>January 1, 2015 to December 31, 2015</td>
<td>0.01706</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>0.01494</td>
</tr>
<tr>
<td>January 1, 2017 to December 31, 2017</td>
<td>0.01280</td>
</tr>
<tr>
<td>January 1, 2018 to December 31, 2018</td>
<td>0.01067</td>
</tr>
<tr>
<td>January 1, 2019 to December 31, 2019</td>
<td>0.00853</td>
</tr>
<tr>
<td>January 1, 2020 to December 31, 2020</td>
<td>0.00640</td>
</tr>
<tr>
<td>January 1, 2021 to December 31, 2021</td>
<td>0.00427</td>
</tr>
<tr>
<td>January 1, 2022 to December 31, 2022</td>
<td>0.00214</td>
</tr>
<tr>
<td>January 1, 2023 to December 31, 2023</td>
<td>---</td>
</tr>
</tbody>
</table>
CLAUSE E – EQUALIZATION ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rates GE and GET</th>
<th>GUN</th>
<th>GUS</th>
<th>GWN</th>
<th>GSN</th>
<th>T</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>$0.00223</td>
<td>$0.00185</td>
<td>$(0.01740)</td>
<td>$(0.01989)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2015 to December 31, 2015</td>
<td>0.00198</td>
<td>0.00164</td>
<td>(0.01547)</td>
<td>(0.01768)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>0.00173</td>
<td>0.00144</td>
<td>(0.01353)</td>
<td>(0.01547)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2017 to December 31, 2017</td>
<td>0.00148</td>
<td>0.00123</td>
<td>(0.01160)</td>
<td>(0.01326)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2018 to December 31, 2018</td>
<td>0.00124</td>
<td>0.00103</td>
<td>(0.00967)</td>
<td>(0.01105)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2019 to December 31, 2019</td>
<td>0.00099</td>
<td>0.00082</td>
<td>(0.00774)</td>
<td>(0.00884)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2020 to December 31, 2020</td>
<td>0.00075</td>
<td>0.00062</td>
<td>(0.00580)</td>
<td>(0.00663)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2021 to December 31, 2021</td>
<td>0.00049</td>
<td>0.00041</td>
<td>(0.00387)</td>
<td>(0.00442)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2022 to December 31, 2022</td>
<td>0.00025</td>
<td>0.00021</td>
<td>(0.00193)</td>
<td>(0.00221)</td>
<td></td>
</tr>
<tr>
<td>January 1, 2023 to December 31, 2023</td>
<td>***</td>
<td>***</td>
<td>***</td>
<td>***</td>
<td>***</td>
</tr>
</tbody>
</table>
**CLAUSE E – EQUALIZATION ADJUSTMENT (continued)**

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rates GD and GDT</th>
<th>42 East Base Factor</th>
<th>ADN, ARN, GDN, GPN, GTN North Base Factor</th>
<th>ADS, ARS, GDS, GPS, GTS South Base Factor</th>
<th>GHN North Heat Factor</th>
<th>GHS South Heat Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>$ 0.00607</td>
<td>$(0.00714)</td>
<td>$ 0.00602</td>
<td>$(0.01189)</td>
<td>$(0.00626)</td>
</tr>
<tr>
<td>January 1, 2015 to December 31, 2015</td>
<td>0.00539</td>
<td>(0.00635)</td>
<td>0.00534</td>
<td>(0.01058)</td>
<td>(0.00557)</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>0.00472</td>
<td>(0.00555)</td>
<td>0.00468</td>
<td>(0.00925)</td>
<td>(0.00487)</td>
</tr>
<tr>
<td>January 1, 2017 to December 31, 2017</td>
<td>0.00404</td>
<td>(0.00476)</td>
<td>0.00401</td>
<td>(0.00793)</td>
<td>(0.00418)</td>
</tr>
<tr>
<td>January 1, 2018 to December 31, 2018</td>
<td>0.00338</td>
<td>(0.00397)</td>
<td>0.00335</td>
<td>(0.00661)</td>
<td>(0.00348)</td>
</tr>
<tr>
<td>January 1, 2019 to December 31, 2019</td>
<td>0.00270</td>
<td>(0.00318)</td>
<td>0.00267</td>
<td>(0.00529)</td>
<td>(0.00278)</td>
</tr>
<tr>
<td>January 1, 2020 to December 31, 2020</td>
<td>0.00203</td>
<td>(0.00238)</td>
<td>0.00201</td>
<td>(0.00396)</td>
<td>(0.00208)</td>
</tr>
<tr>
<td>January 1, 2021 to December 31, 2021</td>
<td>0.00135</td>
<td>(0.00159)</td>
<td>0.00134</td>
<td>(0.00264)</td>
<td>(0.00139)</td>
</tr>
<tr>
<td>January 1, 2022 to December 31, 2022</td>
<td>0.00068</td>
<td>(0.00079)</td>
<td>0.00067</td>
<td>(0.00132)</td>
<td>(0.00069)</td>
</tr>
<tr>
<td>January 1, 2023 to December 31, 2023</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

Issued: September 11, 2015  
Effective: October 11, 2015  
Issued by: Naomi G. Czachura  
Vice President
CLAUSE E – EQUALIZATION ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Months</th>
<th>ALN, APN, CAP, LLN, LON, LPN, LRN</th>
<th>ALS, APS, LCL, LLC, LLS, LOS</th>
<th>LEN, LHN</th>
<th>LES, LHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rates LS and LST</td>
<td>East Base Factor</td>
<td>North Base Factor</td>
<td>South Base Factor</td>
<td>North Heat Factor</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>$0.00394</td>
<td>$(0.00745)</td>
<td>$(0.00144)</td>
<td>$(0.01075)</td>
</tr>
<tr>
<td>January 1, 2015 to December 31, 2015</td>
<td>0.00350</td>
<td>(0.00662)</td>
<td>(0.00128)</td>
<td>(0.00956)</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>0.00306</td>
<td>(0.00579)</td>
<td>(0.00112)</td>
<td>(0.00836)</td>
</tr>
<tr>
<td>January 1, 2017 to December 31, 2017</td>
<td>0.00262</td>
<td>(0.00497)</td>
<td>(0.00096)</td>
<td>(0.00717)</td>
</tr>
<tr>
<td>January 1, 2018 to December 31, 2018</td>
<td>0.00219</td>
<td>(0.00414)</td>
<td>(0.00080)</td>
<td>(0.00597)</td>
</tr>
<tr>
<td>January 1, 2019 to December 31, 2019</td>
<td>0.00175</td>
<td>(0.00331)</td>
<td>(0.00064)</td>
<td>(0.00478)</td>
</tr>
<tr>
<td>January 1, 2020 to December 31, 2020</td>
<td>0.00132</td>
<td>(0.00248)</td>
<td>(0.00048)</td>
<td>(0.00358)</td>
</tr>
<tr>
<td>January 1, 2021 to December 31, 2021</td>
<td>0.00087</td>
<td>(0.00166)</td>
<td>(0.00032)</td>
<td>(0.00239)</td>
</tr>
<tr>
<td>January 1, 2022 to December 31, 2022</td>
<td>0.00044</td>
<td>(0.00082)</td>
<td>(0.00016)</td>
<td>(0.00119)</td>
</tr>
<tr>
<td>January 1, 2023 to December 31, 2023</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>
CLAUSE E – EQUALIZATION ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rates SS and SST</th>
<th>Former Price Schedules</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>41, 53 East Base Factor</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>$ 0.00394</td>
</tr>
<tr>
<td>January 1, 2015 to December 31, 2015</td>
<td>0.00350</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>0.00306</td>
</tr>
<tr>
<td>January 1, 2017 to December 31, 2017</td>
<td>0.00262</td>
</tr>
<tr>
<td>January 1, 2018 to December 31, 2018</td>
<td>0.00219</td>
</tr>
<tr>
<td>January 1, 2019 to December 31, 2019</td>
<td>0.00175</td>
</tr>
<tr>
<td>January 1, 2020 to December 31, 2020</td>
<td>0.00132</td>
</tr>
<tr>
<td>January 1, 2021 to December 31, 2021</td>
<td>0.00087</td>
</tr>
<tr>
<td>January 1, 2022 to December 31, 2022</td>
<td>0.00044</td>
</tr>
<tr>
<td>January 1, 2023 to December 31, 2023</td>
<td>---</td>
</tr>
</tbody>
</table>
All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rate ICR</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
</tr>
<tr>
<td>January 1, 2015 to December 31, 2015</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
</tr>
<tr>
<td>January 1, 2017 to December 31, 2017</td>
</tr>
<tr>
<td>January 1, 2018 to December 31, 2018</td>
</tr>
<tr>
<td>January 1, 2019 to December 31, 2019</td>
</tr>
<tr>
<td>January 1, 2020 to December 31, 2020</td>
</tr>
<tr>
<td>January 1, 2021 to December 31, 2021</td>
</tr>
<tr>
<td>January 1, 2022 to December 31, 2022</td>
</tr>
<tr>
<td>January 1, 2023 to December 31, 2023</td>
</tr>
</tbody>
</table>
CLAUSE E – EQUALIZATION ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rate MWP</th>
<th>Former Price Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>22, 45 East Base Factor</td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>$0.01920 $</td>
</tr>
<tr>
<td>January 1, 2015 to</td>
<td>0.01706</td>
</tr>
<tr>
<td>December 31, 2015</td>
<td></td>
</tr>
<tr>
<td>January 1, 2016 to</td>
<td>0.01494</td>
</tr>
<tr>
<td>December 31, 2016</td>
<td></td>
</tr>
<tr>
<td>January 1, 2017 to</td>
<td>0.01280</td>
</tr>
<tr>
<td>December 31, 2017</td>
<td></td>
</tr>
<tr>
<td>January 1, 2018 to</td>
<td>0.01067</td>
</tr>
<tr>
<td>December 31, 2018</td>
<td></td>
</tr>
<tr>
<td>January 1, 2019 to</td>
<td>0.00853</td>
</tr>
<tr>
<td>December 31, 2019</td>
<td></td>
</tr>
<tr>
<td>January 1, 2020 to</td>
<td>0.00640</td>
</tr>
<tr>
<td>December 31, 2020</td>
<td></td>
</tr>
<tr>
<td>January 1, 2021 to</td>
<td>0.00427</td>
</tr>
<tr>
<td>December 31, 2021</td>
<td></td>
</tr>
<tr>
<td>January 1, 2022 to</td>
<td>0.00214</td>
</tr>
<tr>
<td>December 31, 2022</td>
<td></td>
</tr>
<tr>
<td>January 1, 2023 to</td>
<td>---</td>
</tr>
<tr>
<td>December 31, 2023</td>
<td></td>
</tr>
</tbody>
</table>
### CLAUSE E – EQUALIZATION ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rate TC</th>
<th>Former Price Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>To December 31, 2014</td>
<td>$ 0.01920 $ (0.01321) $ (0.00923) R/R/R</td>
</tr>
<tr>
<td>January 1, 2015 to December 31, 2015</td>
<td>0.01706 (0.01174) (0.00821)</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>0.01494 (0.01028) (0.00718)</td>
</tr>
<tr>
<td>January 1, 2017 to December 31, 2017</td>
<td>0.01280 (0.00881) (0.00616)</td>
</tr>
<tr>
<td>January 1, 2018 to December 31, 2018</td>
<td>0.01067 (0.00734) (0.00513)</td>
</tr>
<tr>
<td>January 1, 2019 to December 31, 2019</td>
<td>0.00853 (0.00587) (0.00410)</td>
</tr>
<tr>
<td>January 1, 2020 to December 31, 2020</td>
<td>0.00640 (0.00440) (0.00308)</td>
</tr>
<tr>
<td>January 1, 2021 to December 31, 2021</td>
<td>0.00427 (0.00294) (0.00205)</td>
</tr>
<tr>
<td>January 1, 2022 to December 31, 2022</td>
<td>0.00214 (0.00147) (0.00103) R/R/R</td>
</tr>
<tr>
<td>January 1, 2023 to December 31, 2023</td>
<td>--- --- ---</td>
</tr>
</tbody>
</table>
CLAUSE PI – PHASE-IN ADJUSTMENT

APPLICATION

To all rates for electric service in Iowa, except Rate SL and Rate AL. Rates including a phase-in for those customer groups are shown on the specific tariff pages for those rates.

PHASE-IN ADJUSTMENT

Phase-In Adjustment factors are applied to the rates for electric service for the purpose of phasing in MidAmerican’s approved increase in revenue.

Phase-In Adjustment factors are billed on a dollar per kWh basis at the rates shown below. Rates are applicable for energy usage billed for periods shown and are applied based on former price schedules.

Customers establishing service after the effective date of this tariff shall have the base factor specifically identified for their rate and pricing zone as indicated in the List of Communities Served and applied to billed energy usage.

Phase-In Adjustment factors are billed on all kWh:

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rates RS, RST and RMS</th>
<th>Former Price Schedules</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>09, 10, 11, 51</td>
</tr>
<tr>
<td>January 1, 2015, to</td>
<td>RBN, RWN, TBN, TWN</td>
</tr>
<tr>
<td>December 31, 2015</td>
<td>RBS, RWS, TBS, TWS</td>
</tr>
<tr>
<td>January 1, 2016 to</td>
<td>RAN, REN, RHN, RSN,</td>
</tr>
<tr>
<td>December 31, 2016</td>
<td>TAN, TEN, THN, TSN</td>
</tr>
<tr>
<td></td>
<td>RAS, RES, RHS, RSS,</td>
</tr>
<tr>
<td></td>
<td>TAS, TES, THS, TSS</td>
</tr>
<tr>
<td>East Base Factor</td>
<td>(0.00699)</td>
</tr>
<tr>
<td>RBN, RWN, TBN, TWN</td>
<td>($ (0.00608)</td>
</tr>
<tr>
<td>North Base Factor</td>
<td>($ (0.00691)</td>
</tr>
<tr>
<td>RBS, RWS, TBS, TWS</td>
<td>($ (0.00438)</td>
</tr>
<tr>
<td>South Base Factor</td>
<td>($ (0.00556)</td>
</tr>
<tr>
<td>RAN, REN, RHN, RSN,</td>
<td>($ (0.00219)</td>
</tr>
<tr>
<td>TAN, TEN, THN, TSN</td>
<td>($ (0.00278)</td>
</tr>
<tr>
<td>RAS, RES, RHS, RSS,</td>
<td>---</td>
</tr>
<tr>
<td>TAS, TES, THS, TSS</td>
<td>---</td>
</tr>
</tbody>
</table>
### CLAUSE PI – PHASE-IN ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Rates GE and GET</th>
<th>22, 45 East Base Factor</th>
<th>GBN North Base Factor</th>
<th>GBS South Base Factor</th>
<th>GEN Factor</th>
<th>GES Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>(0.00681)</td>
<td>(0.00566)</td>
<td>(0.00777)</td>
<td>(0.00414)</td>
<td>(0.00572)</td>
</tr>
<tr>
<td>January 1, 2015, to December 31, 2015</td>
<td>(0.00340)</td>
<td>(0.00282)</td>
<td>(0.00388)</td>
<td>(0.00207)</td>
<td>(0.00285)</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rates GE and GET</th>
<th>GUN Factor</th>
<th>GUS Factor</th>
<th>GWN Factor</th>
<th>GSN Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>(0.00506)</td>
<td>(0.00514)</td>
<td>(0.00615)</td>
<td>(0.00344)</td>
</tr>
<tr>
<td>January 1, 2015, to December 31, 2015</td>
<td>(0.00252)</td>
<td>(0.00257)</td>
<td>(0.00307)</td>
<td>(0.00171)</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rates GD and GDT</th>
<th>42 East Base Factor</th>
<th>GPN, GTN North Base Factor</th>
<th>ADS, ARS, GDN, GDS, GPS, GTS North Base Factor</th>
<th>GHN North Heat Factor</th>
<th>GHS South Heat Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>(0.00472)</td>
<td>(0.00404)</td>
<td>(0.00522)</td>
<td>(0.00321)</td>
<td>(0.00395)</td>
</tr>
<tr>
<td>January 1, 2015, to December 31, 2015</td>
<td>(0.00235)</td>
<td>(0.00202)</td>
<td>(0.00260)</td>
<td>(0.00161)</td>
<td>(0.00197)</td>
</tr>
<tr>
<td>January 1, 2016 to December 31, 2016</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
</tbody>
</table>
CLAUSE PI – PHASE-IN ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
<thead>
<tr>
<th>Former Price Schedules</th>
<th>ALN, APN, CAP, LLN, LON, LPN</th>
<th>ALS, APS, LCL, LLC, LLS, LOS, LPS, LRS, LEN, LHN, LES, LHS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>East Base Factor</strong></td>
<td>$ (0.00378)</td>
<td>$ (0.00358)</td>
</tr>
<tr>
<td><strong>North Base Factor</strong></td>
<td>$ (0.00309)</td>
<td>$ (0.00293)</td>
</tr>
<tr>
<td><strong>South Base Factor</strong></td>
<td>$ (0.00188)</td>
<td>$ (0.00146)</td>
</tr>
<tr>
<td><strong>North Heat Factor</strong></td>
<td>$ (0.00155)</td>
<td>$ (0.00162)</td>
</tr>
<tr>
<td><strong>South Heat Factor</strong></td>
<td>$ (0.00178)</td>
<td>---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ (0.00378)</td>
<td>(0.00188)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>$ (0.00309)</td>
<td>(0.00155)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>$ (0.00358)</td>
<td>(0.00178)</td>
<td>---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rates SS and SST</th>
<th>To December 31, 2014</th>
<th>January 1, 2015, to December 31, 2015</th>
<th>January 1, 2016 to December 31, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$ (0.00378)</td>
<td>(0.00188)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>$ (0.00309)</td>
<td>(0.00155)</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>$ (0.00358)</td>
<td>(0.00178)</td>
<td>---</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rate ICR</th>
<th>To December 31, 2014</th>
<th>January 1, 2015, to December 31, 2015</th>
<th>January 1, 2016 to December 31, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>varies</td>
<td>varies</td>
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</tbody>
</table>
### CLAUSE PI – PHASE-IN ADJUSTMENT (continued)

All prices are shown in dollars per kWh:

<table>
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<tr>
<th>Rate MWP</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>22,45</td>
<td>East Base Factor</td>
<td>ABN</td>
<td>ABS</td>
</tr>
<tr>
<td>$ (0.00681)</td>
<td>$ (0.00432)</td>
<td>$ (0.00520)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2015, to</td>
<td>(0.00340)</td>
<td>(0.00215)</td>
<td>(0.00260)</td>
<td></td>
</tr>
<tr>
<td>December 31, 2015</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>January 1, 2016 to</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>December 31, 2016</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Rate TC</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>To December 31, 2014</td>
<td>22,45</td>
<td>East Base Factor</td>
<td>ATN</td>
<td>ATS</td>
</tr>
<tr>
<td>$ (0.00681)</td>
<td>$ (0.00562)</td>
<td>$ (0.00556)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>January 1, 2015, to</td>
<td>(0.00340)</td>
<td>(0.00281)</td>
<td>(0.00277)</td>
<td></td>
</tr>
<tr>
<td>December 31, 2015</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>January 1, 2016 to</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>December 31, 2016</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CLAUSE IM – INCREASE MITIGATION ADJUSTMENT

APPLICATION

To eligible customers identified in the compliance filing in Docket No. RPU-2013-0004 as receiving annual rate increases related to the implementation of new rates that exceed 15% and also exceed $200 for residential customers and that exceed 15% and also exceed $1,500 for nonresidential customers.

INCREASE MITIGATION ADJUSTMENT

Increase Mitigation Adjustment factors are applied to the rates of eligible customers for the purpose of mitigating the bill increases experienced by those customers resulting from rates approved by the Board in Docket No. RPU-2013-0004 to acceptable levels as defined in the Board’s Order.

Increase Mitigation Adjustment factors are billed on a dollar per kW basis for Rates GD and LS and on a per kWh basis for all other applicable rates. 2014 factors are applicable for demands and energy usage for customer usage on and after July 31, 2014 and before January 1, 2015. 2015 factors are applicable for demands and energy usage for customer usage on and after January 1, 2015 and before January 1, 2016. Effective January 1, 2016 the factors will be set at zero.

<table>
<thead>
<tr>
<th>Rate GE, GET (per kWh)</th>
<th>2014 Factor</th>
<th>2015 Factor</th>
<th>2016 and After Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$(0.01403)</td>
<td>$(0.00048)</td>
<td>$0.00000 T</td>
</tr>
<tr>
<td>Rate GD, GDT (per kW)</td>
<td>$(3.92)</td>
<td>$0.00</td>
<td>$0.00 T</td>
</tr>
<tr>
<td>Rate LS, LST, SS, SST (per kW)</td>
<td>$(1.89)</td>
<td>$0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td>Rate SL (per kWh)</td>
<td>$0.00000</td>
<td>$(0.00002)</td>
<td>$0.00000</td>
</tr>
<tr>
<td>Rate AL (per kWh)</td>
<td>$0.00000</td>
<td>$(0.00820)</td>
<td>$0.00000</td>
</tr>
<tr>
<td>Rate MWP (per kWh)</td>
<td>$(0.00552)</td>
<td>$0.00000</td>
<td>$0.00000</td>
</tr>
</tbody>
</table>
CLAUSE MC – MITIGATION COST RECOVERY ADJUSTMENT

APPLICATION

To customers taking service under rates identified in Clause IM, including customers whose rates are subject to mitigation as specified in the Board’s Order in Docket No. RPU-2013-0004.

MITIGATION COST RECOVERY ADJUSTMENT

Mitigation Cost Recovery Adjustment factors are applied to customers taking service under the rates specified below for the purpose of recovering the costs of discounts provided to customers within those rate classes to mitigate the impact of the implementation of new rates as approved by the Board in Docket No. RPU-2013-0004.

Mitigation Cost Recovery Adjustment factors will be applied to all kWh billed to customers taking service under the specified rates during the specified time periods. 2014 factors are applicable for usage on and after July 31, 2014 and before January 1, 2015. 2015 factors are applicable for usage on and after January 1, 2015 and before January 1, 2016. Effective January 1, 2016 the factors will be set at zero.

<table>
<thead>
<tr>
<th>Rate GE, GET</th>
<th>2014 Factor</th>
<th>2015 Factor</th>
<th>2016 and After Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>$ 0.00030</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
<td>T</td>
</tr>
<tr>
<td>Rate GD, GDT</td>
<td>$ 0.00015</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
</tr>
<tr>
<td>Rate LS, LST, SS, SST</td>
<td>$ 0.00006</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
</tr>
<tr>
<td>Rate SL</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
</tr>
<tr>
<td>Rate AL</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
</tr>
<tr>
<td>Rate MWP</td>
<td>$ 0.00007</td>
<td>$ 0.00000</td>
<td>$ 0.00000</td>
</tr>
</tbody>
</table>
CLAUSE TERM – TAX EXPENSE REVISION MECHANISM

DESCRIPTION:

This clause is designed to adjust Electric Base Rates to address changes in income tax expense resulting from changes in state and federal income tax rates.

DEFINITIONS:

As used in this clause, the terms below are defined as follows:

**Electric Base Rates** shall include Rates RS, RST, GE, GET, GD, GDT, LS, LST, SS, SST, ICR, MWP, TC, SL and AL.

**Effective Period** means the period during which the TERM rate is applied to Customers’ monthly bills. The initial Effective Period for this clause shall be the eleven (11)-month period beginning with the first billing cycle of May 2018 through the last billing cycle of March 2019. For all following Effective Periods, it shall be the twelve (12)-month period beginning with the first billing cycle of April through the last billing cycle of March.

**Tax Period** means the calendar year period of January 1 through December 31.

APPLICATION:

The Clause TERM factor will be a separate line item on the bill. All other provisions of the customer’s current applicable rate schedule will apply in addition to this clause.
DETERMINATION OF TERM FACTORS:

The TERM factors shall be billed over the Effective Period. The TERM factors shall be estimated for the current Tax Period and reconciled when actual information is available during a subsequent Tax Period. The TERM factors, if any, applicable to each Tax Period may be positive or negative values. A separate per kilowatt-hour (kWh) factor shall be determined annually for each class using the following formula:

\[
\text{TERM}_c = \frac{(\text{ITA}_c + \text{EA}_c + \text{RA}_c)}{S_c}
\]

Where:

\( \text{ITA}_c = \) Income Tax Adjustment by class

\( \text{EA}_c = \) Energy Adjustment Clause Offset by class

\( \text{RA}_c = \) The Reconciliation Adjustment by class, determined annually as specified below

\( S_c = \) The forecasted number of kWh of electricity delivered to the class during the Effective Period

INCOME TAX ADJUSTMENT (ITA)

The ITA shall be determined annually, by class, using the following formulas:

\[
\text{ITA}_c = (\text{OPINC} + \text{TE} - \text{IE}) \times \text{TRC} \times \text{GRCF} \times \text{BR}_c
\]

\[
\text{GRCF} = \frac{1}{(1 - \text{SIT}) \times (1 - \text{FIT})}
\]
Where:

\[
\begin{align*}
\text{OPINC} & = \text{Operating income before taxes and revenue sharing for the current Tax Period.} \\
\text{TE} & = \text{Income tax expense for the current Tax Period.} \\
\text{IE} & = \text{Interest expense for the current Tax Period.} \\
\text{TRC} & = \text{Difference in combined state and federal effective income tax rates in applicable Tax Period from the effective income tax rates prior to the tax rate change.} \\
\text{SIT} & = \text{Effective Iowa state income tax rate in effect during the Tax Period.} \\
\text{FIT} & = \text{Federal income tax rate in effect during the Tax Period.} \\
\text{BRc} & = \text{Forecasted Electric Base Rate revenue for the class as a percentage of the total forecasted Electric Base Rate revenue for all applicable classes for the Tax Period.} \\
\text{GRCF} & = \text{Gross Revenue Conversion Factor}
\end{align*}
\]

In a Tax Period in which new income tax rate or rates become effective, the ITA shall be prorated based upon the number of days each tax rate was in effect in the Tax Period. If a change in one (1) or more of the income tax rates occurs on different effective dates within the same Tax Period, separate ITA amounts will be calculated for each. The sum of the ITAs constitutes the total ITA to be used to calculate the TERM factors for the applicable Tax Period.
CLAUSE TERM – TAX EXPENSE REVISION MECHANISM (continued)

ENERGY ADJUSTMENT CLAUSE OFFSET (EA)

EA shall be determined annually, by class, using the following formula:

\[ EA_c = (PTC \times PT CF) \times RS_c \]

Where:

\[ PTC = \text{Forecasted PTCs in Energy Adjustment Clause} \]
\[ PT CF = \text{Difference in PTC gross up factor during applicable Tax Period from the gross up factor prior to income tax rate change.} \]
\[ RS_c = \text{Forecasted Electric Retail kWh Sales for the class as a percentage of the total forecasted Electric Retail kWh Sales for all applicable classes for the Tax Period.} \]

REVISION OF TERM FACTORS:

The Clause TERM factors shall be revised annually. Beginning on or before March 1, 2019 and continuing each year thereafter where the Clause TERM remains in effect, the Company shall file a revised tariff sheet and supporting workpapers showing the determination of the Clause TERM factors to be effective for April billings.

ANNUAL RECONCILIATION

Beginning on or before March 1, 2020 and continuing each year thereafter where the Clause TERM remains in effect, the Company shall include an annual reconciliation report with its proposed factors. Such filing shall address all differences in revenues, costs and class allocations used in calculating the Clause TERM factors for a Tax Period once actual values for all revenues, costs and class allocations are known. Any resulting reconciliation shall be the adjustment factor “RAc” included in the TERM calculation of new factors.
The adjustment of electric charges under the provisions of Clause TERM – Tax Expense Revision Mechanism to be effective with bills rendered beginning with the first billing cycle of April 2021, shall be as follows:

<table>
<thead>
<tr>
<th>Class</th>
<th>Rates</th>
<th>Price per kWh</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential</td>
<td>RS, RST</td>
<td>$(0.00187)</td>
</tr>
<tr>
<td>Commercial</td>
<td>GE, GET, GD, GDT, MWP, TC</td>
<td>$(0.00155)</td>
</tr>
<tr>
<td>Industrial</td>
<td>LS, LST, SS, SST</td>
<td>$(0.00125)</td>
</tr>
<tr>
<td>Individual Contract Rates</td>
<td>ICR</td>
<td>$(0.00098)</td>
</tr>
<tr>
<td>Lighting</td>
<td>SL, AL</td>
<td>$(0.00342)</td>
</tr>
</tbody>
</table>
RIDER EF – EXCESS FACILITIES

AVAILABLE

To all customers in all systems of the Company’s electric service area.

APPLICABILITY

To all electric rates.

Unless stated otherwise in the rate or price schedule, the Company will supply service:

- At a single point of delivery.
- To a load equal to the maximum demand of the customer as specified in the rate or price schedule under which the customer is being served.
- At one standard voltage.

In the event facilities in excess of a normal installation as defined in “Standard Service” subsection in Section 3, “Technical and Operational Requirements” of this Tariff are requested by the customer, or are found to be required to serve the customer's load, the Company shall furnish, install, and maintain such facilities, subject to the following conditions:

- The type, extent, and location of such facilities shall be determined by agreement between the Company and the customer. The right to trim and remove trees and other vegetation as deemed necessary by the Company to provide reliable service.
- Such facilities furnished by the Company shall be the property of the Company.
- The customer shall pay the Company at the time of installation the cost of the excess facilities, except, in the case of equipment which the Company provides on a rental basis, the customer may elect to either:
  - Pay the cost of the excess facilities at the time of installation, or
RIDER EF – EXCESS FACILITIES (continued)

- Pay a monthly rental charge based on the Company’s standard rental rate in effect at the time of the installation of such facilities multiplied by the Company’s investment required to furnish such facilities. In the event there is a change made in the facilities which requires a change in the monthly rental charge, the monthly rental charge for all facilities being furnished by the Company will be based on the rate in effect at that time.

- The Company will provide excess facilities on a rental basis when all of the following apply:
  - The excess facilities cost is greater than $500.
  - The customer or prospective customer is credit worthy.
  - The customer is not a Speculative Customer as defined in Expansion of Electric Distribution System section of this Tariff.

- For facilities furnished which are different than customarily used (non-standard), the cost or rental charge shall be calculated as the difference in the cost of:
  - The non-standard facilities actually furnished and
  - The normal facilities usually furnished.

- For facilities which are requested by and serve multiple customers, the total cost of or rental on the excess facilities shall be prorated among the requesting customers.

- The monthly rental rate used to calculate the rental charge shall be based on:
  - The Company’s weighted average cost of equity and debt approved by the Board in the most recent electric rate case, grossed up for the Company’s income taxes.
  - Allowance for depreciation, property taxes, and maintenance expenses. Such rental rate is 1.59 percent.
RIDER FP – FLEXIBLE PRICING

AVAILABLE

In all systems of the Company’s electric service area.

APPLICABILITY

To individual customers, to selected groups of customers, or to an entire class of customers qualifying under general service or large general service.

Available pursuant to IOWA ADMIN. CODE 199-20.14. Discounted rates under this rider shall be used to encourage a customer, or a group of customers, to increase usage or to maintain usage. Discounted rates may take several different forms consistent with IOWA ADMIN. CODE 199-20.14 and the criteria listed, and shall be developed on a case-by-case basis.

The following IOWA ADMIN. CODE 199-20.14 minimum criteria must be met before a discounted rate shall be offered:

- In deciding whether to offer a specific discount, the Company shall evaluate the individual customer's, group's, or class' situation and perform a cost-benefit analysis before offering the discount. Such analysis must demonstrate that offering the discount will be more beneficial to both the Company and all customers than not offering the discount.
- Any discount offered should be such as to significantly affect the customer's, or customers' decision to stay on the system; or to increase consumption; or to significantly affect a prospective customer's decision to locate in the service territory.
- The ceiling for all discounted rates shall be the approved rate on file for the customer's rate class.
- The floor for the discount rate shall be equal to the energy costs and customer costs of serving the specific customer.
- No discount shall be offered for a period longer than five (5) years, unless the Iowa Utilities Board determines upon good cause shown that a longer period is warranted.
- Discounts should not be offered if they will encourage deterioration in the load characteristics of the customer receiving the discount.
APPLICABILITY (continued)

- Discounted rates must be offered to all directly competing customers in the same service territory. Customers are direct competitors if they make the same end product (or offer the same service) for the same general group of customers. Customers that only produce component parts of the same end product are not directly competing customers.
RIDER CS – CURTAILMENT SERVICE

AVAILABLE

To all customers in all systems of the Company’s electric service area.

APPLICABILITY

At the option of the customer under General Service, Large General Service, Substation Service, and Individual Customer Rates who demonstrates a continuing ability and willingness to curtail 250 kW or more during Company-specified curtailment periods; or 100 kW for customers who successfully performed their obligation under this Rider during the 1995 season and consecutive seasons thereafter. Usage measured by more than one (1) meter at multiple locations may not be combined for purposes of qualifying for service under this rider. The customer is subject to the applicable terms and conditions of the Company’s Electric Service Policies.

CHARACTER OF SERVICE

Alternating current; 60 Hz; single or three phase nominal voltages offered by the Company, as further described in the Company's Electric Service Policies.

NET MONTHLY RATE

Charges for service hereunder will be at the prices specified in the price schedules to which this rider applies, subject to the following additions and modifications.

Curtailment Credit

Summer Credit per kW of contract Curtailable Load to be offered: $30.00/kW

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RIDER CS – CURTAILMENT SERVICE (continued)

CUSTOMER REQUIREMENTS

The customer shall participate for the entire plan year, as defined by the Midcontinent Independent System Operator, Inc. (MISO) as June 1 through May 31 annually.

The customer shall provide telephone or pager contact information to facilitate seven-days-per-week, twenty-four-hours-per-day curtailment notification. If a customer's failure to curtail its contract Curtailable Load when requested results in a Company purchase of replacement energy or results in other charges levied by the Midcontinent Independent System Operator, Inc., herein referred to as “MISO,” or any other entity with jurisdiction to levy fines or penalties relating to load and capability compliance, the customer shall reimburse the Company for a proportionate share of resulting charges. These charges will not exceed the customer's total annual credit for contract Curtailable Load.

In the event of a failure of the customer's standby generating equipment, or other unanticipated non-recurring condition (excluding the customer's failure to reduce production levels), the Company, at its sole discretion, may waive the customer's proportionate share of replacement energy or other charges levied by MISO or any other entity with jurisdiction to levy fines or penalties related to compliance with load and capability requirements. The customer shall notify the Company immediately by telephone, e-mail, or facsimile after obtaining knowledge of a condition contemplated by this paragraph.

Any payment made to the Company for a customer's proportionate share of replacement energy or other charges levied by MISO, or any other entity with jurisdiction to levy fines or penalties related to compliance with load and capability requirements, shall not be construed as giving the customer the right to curtail less than its contract Curtailable Load during any subsequent curtailment periods.
VERIFICATION OF CURTAILABLE LOAD

For purposes of verifying the customer's Curtailable Load, the customer's Expected Demand and Firm Power Level will be reviewed by the Company immediately following a curtailment event. If the customer failed to achieve its contract Curtailable Load as required or achieve its Expected Demand, the Company may revise the contract Curtailable Load, and/or Expected Demand when appropriate for the subsequent contract terms. Customer may forfeit part or all of its summer curtailment credit if it fails to reduce demand as agreed during the summer curtailment. A participant who is more than sixty (60) days in arrears on paying its electric bill may be subject to MidAmerican Energy netting the curtailment credit against the outstanding amount of the participant’s electric bill.

MINIMUM BILL

The minimum bill is as specified by the applicable price schedule, less the curtailment credit.
RIDER CS – CURTAILMENT SERVICE (continued)

TAX ADJUSTMENT

The rate is subject to the Tax Adjustment Clause.

METERING

Participating customers are required to provide a communication line (telephone or Internet TCP/IP) or other interfaces agreed to by Company for automated transmission of interval data for compliance monitoring. Access shall be provided by customer to Company for maintaining and operating such equipment.

STANDBY GENERATOR PROVISION

Customers who have standby generation may operate that generation during the specified curtailment periods as a means of attaining the customer's specified contract Curtailable Load. Customer’s standby generation shall be tested annually and customer shall submit generation test data as required for accreditation by MISO.

CURTAILMENT PERIODS

This Rider is designed to serve reliability and energy efficiency purposes. Below are five criteria that the Company will use when deciding whether to call a curtailment under this tariff. Curtailments will be called under this tariff when any of the following conditions exist:

a) The MISO directs the Company to curtail accredited Curtailable Load;
b) The day-ahead locational marginal price (LMP) for the Company’s load zone in the MISO exceeds a threshold LMP peaking unit price defined as the spot market price for No. 2 Oil divided by the kWh produced by one million BTU at an assumed heat rate of 13,500 BTU per kWh for four consecutive hours.
c) The high temperature for the day across the Company’s service territory is expected to exceed the 30-year historic annual average summer peak temperature and the projected system peak demand is expected to exceed 98 percent of the Company’s historic system peak demand.
d) The Company determines that loads must be curtailed due to transmission and/or distribution system operating conditions.
e) The Company declares a physical test event for all customers.
CURTAILMENT PERIODS (continued)

For curtailments ordered under conditions a), b) and c), the Company may direct the customer to commence curtailment by giving a thirty (30) minute notice to the customer, provided the customer was alerted to the possibility of curtailment six (6) or more hours prior to the beginning of the curtailment period. Otherwise, the customer shall curtail with a minimum two (2) hours advance notice. The curtailment period shall continue until the Company has provided specific notice of its termination, or a maximum of six (6) hours, whichever is shorter. Curtailments ordered under condition a) will be limited to a maximum of five (5) occurrences per year. Curtailments ordered under condition c) will be limited to a maximum of six occurrences per year. The maximum number of curtailment periods during a calendar year will be sixteen (16).

For curtailments ordered under condition d), the Company will endeavor to provide as much advance notice as practicable under the circumstances, but may establish the curtailment period immediately upon notice. In such a case, the curtailment would continue until notified by the Company.

For curtailments under condition e), if a curtailment has not been called by August 1 of any calendar year, the Company will conduct a physical test event for all customers. The test will be conducted by the Company between August 1 and August 31 under circumstances as close as possible to system peaking conditions. A customer may request to be exempted from participation in the physical test event once during the testing period in a calendar year. The Company will conduct a second physical test event of the requesting customer prior to August 31.

For any of the above curtailment conditions, the Company may separate participants into curtailable groups of comparable net loads. The Company may establish a curtailment period that only affects one (1) curtailable group, or multiple groups, on a given day. If only one curtailable group is curtailed, the Company will rotate between curtailable groups on subsequent curtailments, as appropriate.

Request for restriction of the customer's load to facilitate maintenance or replacement of equipment at or near the customer's premises shall not be deemed to establish a curtailment period.
PARTICIPATION

The Company reserves the right to limit participation to a state-wide total of 275,000 kW of Curtailable Load.

DEFINITIONS

Curtailment Service
Electric service which includes a credit for those customers who agree, on notice from the Company, to reduce electric demand by a predetermined amount (Curtailable Load).

Expected Demand
Expected Demand may be: (1) The load which would normally be placed on the Company’s system by the customer at the time of a curtailment period; or (2) For customers on a time-of-use rate, the load which a customer with a high degree of operational flexibility has agreed to move permanently outside the on-peak period designated in the customer’s rate. The Expected Demand will be established between the Company and customer based on load profiles, known load additions or deletions, and typical operations.

Firm Power Level
The amount of customer load remaining on the Company’s system during a curtailment period.

Curtailable Load
Difference between the Expected Demand and the Firm Power Level.
RIDER US – UNMETERED SERVICE

AVAILABLE

In all systems of the Company’s Iowa electric service area.

APPLICABLE

To electric service provided for small usage devices that satisfy each of the following requirements:

- Do not exceed a total connected load of 1,200 Watts per point of connection
- Usage is constant and readily calculated
- Devices are located on public or neighborhood association property
- In the sole opinion of the Company, usage is impractical or unsafe to meter

Customers currently receiving unmetered service as of the effective date of this tariff shall be subject to these terms and conditions. This service is not available for resale.

CHARACTER

Alternating current, 60 Hz, single phase, 120 volt, two (2) wire, 120/240, three (3) wire or 120/208, three (3) wire nominal voltages, as further described in the Company’s Electric Service Policies.
RIDER US – UNMETERED SERVICE (continued)

**NATURE OF SERVICE**

As directed by the Company, the customer shall furnish, install and maintain all service equipment, including wiring, over-current protective devices and a means of disconnecting the electric service from the Company’s overhead or underground system. Company makes final connections to the customer’s service equipment and supplies the energy for the operation of the equipment. All of the customer’s equipment shall be subject to the Company’s approval, as well as local or state inspection authority. Service to such installations shall be subject to the Company’s Terms and Conditions in this tariff.

**NET MONTHLY RATE**

Unmetered service shall be subject to the pricing, terms, and conditions for each point of connection with the Company’s overhead or underground system under Rate GE.

**CAPACITY REQUIREMENTS**

The capacity requirements of the equipment shall be determined by the Company from the specifications furnished by the manufacturers of such equipment. The Company shall have the right to test such capacity requirements from time to time. In the event the test shows capacity requirements different from those indicated by the manufacturer’s specifications, the capacity requirements shown by Company tests shall control the usage for billing purposes.

**DETERMINATION OF KWH**

The monthly kWh billed each month shall be determined as the total capacity requirements in kW of the equipment multiplied by 730 hours unless the customer can show lower usage to the satisfaction of the Company. The monthly kWh billed will be stated on the application for service. In the event the Company and the customer cannot agree upon a monthly kWh to be billed each month, the Company may require metering to determine the kWh as a basis of billing under the terms of the applicable Company’s Terms and Conditions.
RIDER US – UNMETERED SERVICE (continued)

CHANGES TO CUSTOMER EQUIPMENT

The customer shall not change the capacity requirements of the customer-owned equipment without first notifying the Company in writing a minimum of 30 days before changes are made. The Company reserves the right to verify the total capacity requirements and/or energy usage at any time. Changes to customer equipment that results in the service no longer meeting requirements outlined in the “Applicable” section of this tariff will require metering and billing under a tariff rate for which the customer qualifies.

CONTINUED ELIGIBILITY

Customer’s unmetered service must continue to maintain all eligibility requirements listed under the “Applicable” section of this tariff. Changes in equipment or customer that render the service ineligible shall result in service being metered and billed at the applicable tariff schedule rate. Metering must be installed within 30 days following notification or the service will be disconnected.

TEMPORARY DISCONTINUATION OF SERVICE

This service is for year-round permanent service. The customer may not have service temporarily discontinued to avoid monthly billing without reimbursing the Company for costs incurred associated with stopping and starting service, including any actions taken to isolate the service.

TEMPORARY ALTERATION OF SERVICE

The customer may not alter or add devices to its unmetered service on a temporary basis.

FAILURE OF CUSTOMER DEVICES

The Company shall not be required to adjust kWh for billing due to failure of customer’s equipment.
RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE

AVAILABLE

To all nonresidential customers in all systems of the Company's electric service area having their own generation facilities provided the Company has sufficient capacity available in production, transmission, and distribution facilities to provide such service at the location where the service is requested.

APPLICABLE

Service under this rider is required for any Iowa electric nonresidential customer that:

- Has on-site parallel distributed generation systems with a capacity over 100 kW.
- Is normally supplied wholly or partially by a source of power other than the Company's electric system.
- Utilizes Company's electric system for Standby and/or Supplementary electric service at the customer's premises.
- Has Total Load that would result in electric service under one of the following Company's demand service tariffs:
  - General Service Rates.
  - Large General Service Rates.
  - Substation Service.
  - Individual Contract Rates.

This Rider is not required where:

- On-site generation is used only for emergency supply during times of utility outage.
- A customer requires 100 kW or less of Standby Service and is taking service under the Company’s:
  - Rate QF- Cogeneration and Small Power Production Facilities.
  - Rate AEP- Alternate Energy Production Facilities.
CHARACTER OF SERVICE

Alternating current: 60 Hz; single or three phase, at secondary voltages offered by the Company, as further described in the Company’s Electric Policies and Electric Rate Application.

DESCRIPTION

Energy provided to the customer under this rider is limited to energy for Scheduled Maintenance, Unscheduled Outages, and Supplementary Service as defined below. The customer shall not generate and allow energy flow onto the Company’s system unless it is separately metered or otherwise permitted in accordance with the Company’s Electric Service Policies.

Standby Service may not be used by a customer to serve controllable demand that is subject to interruption as determined by the Company under Rider CS – Curtailment Service.

Supplementary Service is available to any nonresidential customer who requires additional power requirements beyond that provided by their self-generation.

DEFINITIONS

Backup Energy means the energy actually delivered by the Company for customer’s scheduled or unscheduled outage of customer-owned generation equipment.

Contracted Base Demand means the quantity specified in the customer’s electric service agreement as the maximum amount of Standby Service the company is obligated to supply.

EAC means the Energy Adjustment Clause.
RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)

DEFINITIONS (continued)

Forced Outage Rate means the unplanned generator outage expressed as a percentage. For the first twelve months, such rate shall be the EFORd Class published on the Midcontinent Independent System Operator, Inc. (MISO) website most similar to customer's generation. For customer generation that is a combined heat and power gas turbine, Company presumes a forced outage rate equivalent to the MISO EFORd for Combined Cycle unless customer documents a different outage rate. For customer generation that is a combined heat and power reciprocating engine, Company presumes a forced outage rate equivalent to the MISO EFORd for Diesel Engines, unless customer documents a different outage rate. For subsequent twelve (12) month periods, the EFORd shall be the actual unplanned generator outage for the customer’s generating facilities for the previous twelve (12) month period. The actual unplanned generator outage for customer’s generating facilities shall be calculated as the number of hours the generator was not available in the prior twelve (12) month period, divided by 8,760 hours.

Standard Electric Service Rate means the Company’s rate or price schedule under which the customer’s Total Load would be served.

Generator Meter means the meter(s) used to measure the electrical output of the customer’s generating facilities.

Main Meter means the meter(s) installed between the Company and the customer.

Scheduled Maintenance means the energy or energy and capacity supplied by the Company during planned maintenance of the customer’s non-utility source of electric energy supply. The energy or energy and capacity shall be prearranged by the customer with the Company as specified in Scheduled Outage Coordination provision in this rider.
DEFINITIONS (continued)

Standby Service means electric energy or capacity supplied by the Company to replace energy or capacity ordinarily generated by the customer’s own generation equipment during periods of either:
- Scheduled maintenance.
- Unscheduled outages.

Supplementary Energy means energy or energy and capacity supplied by the Company to the customer when customer’s non-utility source of electricity is insufficient to meet the customer’s own load.

TCA means the Transmission Cost Adjustment Clause.

Total Load means for each demand period, the sum of load measured by the Main Meter and the Generator Meter for such period.

Unscheduled Outage means the energy or energy and capacity supplied by the Company that is not prearranged as specified in this tariff provided during unplanned electrical and/or mechanical maintenance of customer’s non-utility source of electric energy supply and is subject to interruption by the Company.
METERING

All electricity delivered to the customer by the Company will be measured by one or more meters installed at a single point of common interconnection or as determined by the Company. The customer shall allow the Company to make all necessary arrangements to meter:

- The amounts of demand, reactive demand, and energy supplied by the Company.
- The gross demand and energy output of the customer’s generation equipment.

The Company shall provide and the customer shall be required to pay the installation, operation, and maintenance costs incurred by the Company for the metering equipment installed on the customer’s generation equipment. The customer shall also provide a communication line (telephone or Internet TCP/IP) or other interfaces agreed to by Company for automated transmission of interval data. Access shall be provided by customer to Company for maintaining and operating such equipment.
RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)

ELECTRIC SERVICE AGREEMENT

The customer will be required to execute an Electric Service Agreement for the service provided under this rider for an initial term of not less than five years with an appropriate cancellation charge covering the cost of installation and removal of facilities if service is terminated in less than ten years, unless otherwise mutually agreed upon by the customer and the Company.

A notice of one year may be required before the Company will allow a customer currently receiving firm service from the Company, for a load in excess of ten thousand (10,000) kW, to begin service under this rider unless otherwise mutually agreed upon by both the Company and the customer. The term of any notice will be dependent on the Company's ability to adjust its generation capability, including reserve margin, for the reduced firm load due to self-generation installed by the customer.

Contract Base Demand shall be an amount mutually agreed upon by both the customer and the Company. If the total capacity requirement is less than the nameplate capacity of customer's power source, then customer shall inform Company of the means by which outage demand will be less than the nameplate capacity. The Company may request that the customer provide a load reduction plan that describes the customer's ability to remove load within a specified timeframe.

The Electric Service Agreement with the Company shall specify:

- The total capacity requirements which shall be no less than that which the Company shall be required to supply in the event the customer's power source is not available.
- The capacity of customer's power source for which the Company will be providing Standby Service and to which the Contracted Base Demand Charges will apply for determining Reservation Fees.
RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)

CONTRACTED BASE DEMAND

The Company shall not be obligated to supply Standby or Supplementary Service for a customer’s load in excess of the Contracted Base Demand. The Company may require the customer to contract for additional Contracted Base Demand if the customer exceeds that specified in the Electric Service Agreement.

The customer shall furnish documentation to the Company of any changes affecting the maximum capacity and reliability of the power source for which the customer requires Standby or Supplementary Service.

The Contracted Base Demand Charge shall be determined by the Contracted Base Demand in kW.

The customer shall be liable for all damages or costs caused by the customer’s use of power in excess of the Contracted Base Demand. The Company may require the customer to install an approved load limiting device which shall be set and sealed by the Company so that the customer’s use of service will not exceed the number of kilowatts contracted for by the customer.

At the conclusion of the initial service period, if a customer suspends taking service and within twelve (12) months thereafter resumes taking service at the same premises, the reconnect charge shall be equal to the minimum charge the customer would have otherwise been required to pay during the disconnection period had service not been terminated.
INTERCONNECTION

The customer shall be subject to the provisions of the Company’s requirements for interconnection as applicable and as they may change from time to time. The customer will pay all costs of interconnecting a facility to the Company’s system as specified in the Company’s interconnection policy and contract with the customer. Termination fees shall be consistent with those defined in the Electric Service Agreement.

The Company may be reimbursed by the customer for costs which are incurred, or which have been previously incurred, in providing facilities which are used principally or exclusively in supplying service for any portion of the customer’s requirements which are to be normally supplied from a source of power other than the Company’s electric system.

During times of customer generation, customer will be expected to provide VARs as needed to serve their load. Customer will provide equipment to maintain a unity power factor plus or minus ten percent (10%) for supplemental demand, and when the customer is purchasing Backup Energy from the Company.

All electricity delivered to the customer shall be for the exclusive use of the customer and shall not be resold.

The Company reserves the right to establish a minimum charge in order to recover the costs of facilities required to serve such load. Said charge shall be specified in the Electric Service Agreement.
### STANDBY SERVICE

**NET MONTHLY RATE**

- **Monthly Service Charge**  
  Billed at customer’s Standard Electric Service Rate

- **Reservation Fees**
  - **Generation Service**  
    - **Contracted Base Demand Charge**  
      - $8.37 per kW per month × Forced Outage Rate

- **Transmission Service**  
  - **Forced Outage Rate**  
    - ($1.86 per kW per month + TCA) × Forced Outage Rate
      - ($1.86 per kW per month + TCA) for Generation over 5 MW**

- **Substation Service**  
  - $0.93 per kW per month

- **Distribution Service (not applicable to customers taking service directly from a substation)**  
  - $1.77 per kW per month

- **Reactive Demand**  
  - $0.50 per kVar

**Any customer that can successfully demonstrate reduced use of the transmission system when called upon by MISO shall share in any resulting reduced rates MidAmerican receives from MISO.**
RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE
(continued)

STANDBY SERVICE (continued)

Where the Forced Outage Rate shall be set to the:

- MISO Pooled EFORd for generation installed most similar to customer’s generation for the first twelve months of the Electric Service Agreement.

- Actual Forced Outage Rate for customer’s generating facilities experienced in the prior twelve month period for the subsequent twelve-month periods, adjusted annually.

Scheduled Standby Usage Rates*
Demand and energy charges under the customer’s Standard Electric Service Rate as recorded by the Main Meter and applied as follows:

Daily Demand Charge
Per kW for maximum demand for standby period, applicable daily
Maximum Demand less the Substation Service and Distribution Service (if applicable) Reservation Fees
(Demand Charge Rate -$0.93 - $1.77 [if applicable])/ 30.4167

Energy Charge
Energy Charge Rate

Reactive Demand
kVAR Demand Charge Rate

*During any billing period in which the customer utilizes scheduled standby energy and capacity, the customer shall be billed the greater of customer’s Reservation Fees or Scheduled Standby Demand Charges for that billing period.
RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)

STANDBY SERVICE (continued)

Unscheduled Usage Rates
The greater of:
- Energy charges included under the customer’s Standard Electric Service Rate based on energy usage recorded by the Main Meter.
- MISO LMP + 10% for period of Unscheduled Outage based on demand and energy usage recorded by the Main Meter.

Rates, Adjustments and Clauses
As applicable in customer’s Standard Electric Service Rate, including Reactive Demand Charges. The EAC and TCA clauses shall not apply to charges billed under MISO LMP.
RIDER SPS – STANDBY AND SUPPLEMENTARY POWER SERVICE (continued)

STANDBY SERVICE (continued)

Minimum Charge

Monthly bills shall include:
- Standard Electric Service Rate monthly basic service or monthly service charges
- Reservation fees based on Contracted Base Demand

Payment

Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.

Scheduled Outage Coordination

Customer and Company will coordinate planning and the determination of a schedule for performance of periodic maintenance of the customer’s facilities. Such maintenance shall be scheduled to avoid summer and winter peaks or agreed upon in the Electric Service Agreement. Scheduled maintenance is typically available in April, May, October, and November. The customer must provide at least a 30-day notice of its proposed schedule for scheduled maintenance. Customer may modify the maintenance schedule with 30-days’ notice to the Company.

Scheduled maintenance may not exceed 45 days in any continuous 12-month period unless otherwise agreed by Company in writing. Any extension of maintenance period may be requested by the customer in writing and shall be responded to by the Company in writing.

Customers that do not comply with the terms and conditions for qualifying maintenance periods will be subject to unscheduled usage charges.
STANDBY SERVICE (continued)

Unscheduled Outage Usage
Unscheduled standby is limited to Backup Energy required during a forced outage of the customer’s self-generation. The customer is allowed to use unscheduled standby service up to the number of hours equivalent to the Forced Outage Rate multiplied by 8,760 hours in a twelve (12) month period without incurring additional Supplementary power charges. Riders, terms, and conditions for the customer’s Standard Electric Service Rate shall apply.

Unscheduled Outage Coordination
Unscheduled outage is subject to:
- Availability.
- The condition that supply will not seriously impair or jeopardize the system.
- Notification by telephone for loss and restoration of power source.
- Written follow-up notification within 48 hours of loss and/or restoration.
SUPPLEMENTARY SERVICE

NET MONTHLY RATE

Supplementary Service
Billed at customer’s Standard Electric Service Rate, including its terms, conditions, minimum charge, and minimum bill provisions.

Adjustments and Clauses
As applicable in customer’s Standard Electric Service Rate.

Billing
Supplementary demand for each demand period shall be the applicable demand for tariff service associated with the Main Meter for the billing period.

Supplementary energy shall be the applicable energy charges for the tariff service associated with the Main Meter for the billing period.

Minimum Charge
Minimum charge as defined in customer’s Standard Electric Service Rate.

Payment
Bills are due and payable within twenty days from the date the bill is rendered to the customer. When not so paid the bill is delinquent and a late payment charge, which is equal to 1.5 percent per month of the past due amount or such portion that remains unpaid after each subsequent month, shall be added.

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Electric Tariff No. 2
Filed with the Iowa Utilities Board

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